

REMARKS

It is respectfully requested that the Office enter the above claim amendments and following remarks before considering the RCE filed concurrently herewith. Claims 1-19 are currently pending in this application. Applicants have cancelled claim 20 without prejudice and added claim 21. Reconsideration is respectfully requested in light of the above claim amendments and the following remarks.

The Examiner rejected claims 18 and 20 under 35 U.S.C. §112, first paragraph and claims 1-20 under 35 U.S.C. §112, second paragraph. Applicants have amended claims 1 and 18 in accordance with the Examiner's suggestions and cancelled claim 20. Applicants therefore respectfully request that these rejections be withdrawn.

The Examiner rejected claims 1, 2, 5, 6, 9, 12, 19 and 20 under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 5,925,073 to Chastain et al. and claims 4, 11, 14 and 18 under 35 U.S.C. § 102(b) as anticipated by or in the alternative under 35 U.S.C. § 103(a) as obvious over Chastain et al. The Examiner further rejected claims 1, 2, 5, 6, 9, 12, 19 and 20 under 35 U.S.C. §103(a) as being unpatentable over Chastain in view of U.S. Patent Number 6,430,449 to Hsu et al. The Examiner rejected claims 4, 11, 14 and 18 under 35 U.S.C. § 103(a) as obvious over Chastain et al. or in the alternative as obvious over Chastain et al. in view of Hsu et al. and claims 3, 7, 8, 10, 13, and 14-17 as obvious over Chastain et al. Applicants respectfully traverse these rejections.

On August 26, 2004 Applicants submitted declarations from each of the co-inventors of the subject matter of the pending application. As required by MPEP section 715.07 the declarations and accompanying exhibits established conception of the claimed invention prior to the effective date of both Chastain and Hsu et al. as well as due diligence from prior to the effective date of both Chastain et al. and Hsu et al. to constructive reduction to practice of the present invention (i.e. the filing of the parent patent application).

In an Office action, mailed April 8, 2005 the Examiner held that the declarations filed under 37 CFR 1.131 were ineffective to overcome the cited references. Specifically, the Examiner alleged that there were various periods between exhibits

where diligence was not shown. For example, the Examiner notes that between Exhibits C and D a period of one year elapsed. The Examiner further submits that after the draft was received by the Legal Department (Exhibit D) that no diligence is shown for the three and half month period before receiving the revised draft and that no diligence is shown for the period of approximately one month until the application was filed.

Applicants respectfully disagree. Applicants submit that according to MPEP 715.07(a) and 37 CFR 1.131 the critical period in which diligence must be shown begins just prior to the earliest effective date of the cited references (i.e. Feb. 22, 1998, the day before the filing date of Chastain et al. and March 18, 1998 for Hsu et al.) and ends with the date of a reduction to practice, either actual or constructive, (i.e. the filing of applicant's grandparent patent application serial number 09/196,898 ("the '898 application) on November 20, 1998.

According to MPEP section 2138.06 reasonable diligence is all that is required of the attorney and that diligence is established if the attorney worked reasonably hard on the application during the critical period. In addition, courts have recognized that it may not be possible for a patent attorney to begin working on an application at the moment the inventor makes the disclosure, because the attorney may already have a backlog of other cases demanding his attention. The courts have further recognized that it is sufficient if an attorney has a reasonable back log of cases which he takes up in chronological order and carries out expeditiously. *Bey v. Kollonitsch*, 806 F.2d 1024, 231 USPQ 967 (Fed. Cir. 1986).

Applicants submit herewith as Exhibit A the billing records of Applicants' patent firm Knobbe Martin, Olson & Bear, LLP, during the critical period including the specific billing records for the attorney, Mark M. Abumeri who prepared the application that became the '898 application (KMOB ref. no. Paceset 064A).

Specifically, as indicated on attached invoice nos. 258387, 259148, 262378, 263509 and 266159, during the months of January 1999 through April, 1998, KMOB attorneys worked on a large number of earlier Pacesetter patent applications (KMOB ref. nos. Paceset 023A, Paceset 034A, Paceset 040A, Paceset 050A-052A, Paceset 052A, Paceset 054A, Paceset 062A and Paceset 063A). The KMOB reference no.

indicates that Paceset (i.e. Pacesetter, Inc, the assignee of the present application) is the client and for example that Paceset 063A is the sixty third application prepared for the client Pacesetter, Inc. In addition it is KMOB's practice to assign reference numbers in chronological order in accordance with when the application is received by the KMOB firm. Thus Paceset 063A, for example and all application with a lower reference number were received and docketed by KMOB before application reference no. Paceset 064A.

As indicated in the billing record, invoice no. 266159, dated 5/17/98 Mr. Abumeri began work on Paceset 064A on May 7, 1998 and continued to work on the application through May 19, 1998. As indicated on billing invoice no. 272650. Mr. Abumeri continued to work on Paceset 064A from June 5, 1998 through June 30, 1998.

According to Invoice no. 273588 Mr. Abumeri reviewed the first draft of the application on July 1, 1998 before sending the draft application to the client. Pacesetter received the draft application on that same day (see Exhibit D of the declarations filed on August 26, 2004). The inventors reviewed the application and Mr. Abumeri resumed working on the application on July 6, 1998 through July 27, 1998.

In addition, invoice no. 284264 documents that Mr. Abumeri resumed work on the application on August 3, 1998 and continued to work diligently on the preparation of the application until October 23, 1998 when the next draft was sent to Pacesetter (see Exhibit E of the declarations submitted August 26, 2004). The final revision was then reviewed by the inventors and the application was filed on November 20, 1998.

Applicants submit that KMOB continue to work on large number of additional Pacesetter applications in parallel with the development of the Paceset 064A application during the critical period as demonstrated in the attached invoices. Applicants further submit that the attached billing invoices clearly demonstrate that Applicants' attorneys were working diligently on applications received in chronological fashion during the critical period and were reasonably diligent in working on the application that became the '898 application as required by law.

Applicants therefore submit that Chastain et al. and Hsu et al. are not prior art with respect to the claims of the subject application and that the rejections based on

Chastain et al and Hsu et al. are moot. Accordingly, Applicants respectfully submit that claims 1-19 and 21 are allowable.

In addition, on December 8, 2005, Applicants filed a declaration by David Kistler under 37 CFR 1.132 to overcome rejections of claims 1-20 under 35 U.S.C. §103(a) as being unpatentable over Chastain et al. and or Hsu et al. The Examiner held that the declaration did not meet the burden of proof required to establish a nexus between the claimed invention and commercial success. Applicants respectfully disagree.

Applicants claimed invention as recited in independent claims 1 and 21 is directed towards an implantable stimulation lead system having a lead body including at least a distal portion having at least two non-helical bends dimensioned to passively anchor the distal portion of the lead body in a coronary vein overlying a left ventricle, wherein the at least two non-helical bends define substantially an s-shaped portion so as to bias the at least two non-helical bends against sides of a vessel wall of the coronary vein ... (Underlining added for emphasis only). Thus Applicants claimed invention recites an S-shape section in the distal portion to passively anchor the lead in the left side of the heart.

In addition, Exhibit A of the Kistler declaration demonstrates that Pacesetter's QuickSite lead includes an S-shaped distal section for passive fixation and Exhibit B demonstrates that the QuickSite lead provides better stability and fixation over other currently available left heart leads. For example, Exhibit B demonstrates that the dislodgement rate for the Quicksite lead is approximately 50% less than the dislodgement rate for the competing Attain[®] lead and approximately 75% less than the Easytrak[®] lead.

Further, the S-shaped distal end of the QuickSite lead, as recited in claim 1 of the subject application, can be anchored in both large and small veins allowing the lead to be placed in a site that provides high performance while also reducing/minimizing extracardiac stimulation such as phrenic nerve stimulation, which is common in the Easytrak[®] left heart lead manufactured by Guidant Corporation.

In addition, claim 2 of the present invention further recites that the lead body has a lumen therethrough and that when a stylet is partially withdrawn from the lumen, the s-shaped portion forms a steerable canted end. Thus, Applicants claimed invention

recites a steerable tip which aids in the delivery of the lead to the target area in the left side of the heart.

Exhibit A of the Kistler declaration demonstrates that Pacesetter's QuickSite lead includes a steerable tip that deflects for steering when a fully inserted stylet or guidewire is slightly withdrawn as recited in claim 2 of the subject application. Further Exhibits C, D and E of the Kistler declaration demonstrate the superior implant success rate of the Quicksite lead over the competing left heart leads as a result of the superior handling provided by the steerable tip of the lead.

Moreover, the product specification in Exhibit A and the marketing material provided in Exhibit F of the Kistler declaration provide the nexus between the S-shaped distal section and the steerable tip and the success of the lead in the marketplace. Specifically the marketing slogan for the lead "Gets you there and keeps you there" stresses the superior handling provided by the steerable tip, i.e. gets you there and the improved stability and fixation provided by the S-shaped distal section as recited in claims 1 and 2 of the present invention. In addition, the marketing materials go on to explicitly describe the steerable tip and s-shaped passive fixation mechanism.

Accordingly, Applicants respectfully submit that the Kistler declaration demonstrates the superior performance of the claimed features as embodied in the QuickSite lead and the nexus of those features to the leads success in the marketplace. Further, the commercial success is borne out by the significant gross sales volume for the QuickSite lead, as well as by the significant market share the lead has captured, in the relatively short time since its introduction into the marketplace. (See MPEP 716.03(b), Cable Electronic Products, Inc. v. Genmark, Inc., 770 F.2d 1015, 226 USPQ 881 (Fed. Cir. 1985).)

Applicants therefore respectfully submit that the Kistler Declaration establishes sufficient evidence of success in the marketplace of the QuickSite lead, which is derived from the claimed invention, and therefore establishes a case of nonobviousness of the claim 1-19 and 21 of the present application. Applicants therefore respectfully requests withdrawal of the claim rejections under 35 U.S.C. §103(a) as being unpatentable over Chastain et al. and or Hsu et al.

PATENT

In view of the foregoing, it is respectfully submitted that all of the pending claims patentably distinguish over the cited references, and a Notice of Allowance is earnestly solicited.

Respectfully submitted,

6-5-00

Date

P. A. Nichols

Peter A. Nichols

Reg. No. 47,822

Attorney for Applicant(s)

Enclosure: Exhibit A

CUSTOMER NUMBER: 36802

KNOBBE, MARTENS, OLSON & BEAR, LLP

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TELEPHONE (714)760-0404 FAX (714)760-9502

POSTED
4-1-98

* REMITTANCE ADVICE *
* SUBMIT THIS PAGE WITH YOUR PAYMENT. THANK YOU. *

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH JANUARY 31, 1998

INVOICE NO. 259148 (PACESET)
INVOICE DATE: 02/11/98

INVOICE SUMMARY: LEGAL SERVICES
COSTS ADVANCED

AMOUNT DUE THIS INVOICE

\$3,648.00
\$.00

\$3,648.00

OUTSTANDING INVOICE BALANCES

INV DATE	INV NO.	BALANCE REMAINING
01/21/98	258387	\$5,153.50
02/11/98	259148	\$3,648.00
TOTAL BALANCE OWED		\$8,801.50

* PLEASE CONTACT ANN S. HA IN OUR ACCOUNTS RECEIVABLE DEPARTMENT AT (714)721-6346 IF YOU HAVE ANY QUESTIONS REGARDING YOUR OUTSTANDING BALANCE. WE APPRECIATE YOUR PROMPT PAYMENT.

A LATE PAYMENT CHARGE IS ASSESSED ON ALL UNPAID BALANCES AT A RATE OF 10% PER ANNUM.

APPROVED FOR
PAYMENT:
[Signature]
OK To pay \$2875.00
M.J. Romano
2 March 1998

Reduce Amount by
\$773.00 per Michael Trenholm
as credit for non-billable internal
conference charges.

KNOBBE, MARTENS, OLSON & BEAR, LLP

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TELEPHONE (714)760-0404 FAX (714)760-9502
FEDERAL TAX ID NO. 95-3605138

209-781-9231

INVOICE NO. 259148 (PACESET)
INVOICE DATE: 02/11/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FEB 13 1998

FOR LEGAL SERVICES RENDERED THROUGH JANUARY 31, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$5,153.50
	CHARGES THIS INVOICE	\$3,648.00
	BALANCE OWED	\$8,801.50

INVOICE SUMMARY:	LEGAL SERVICES	\$3,648.00
	COSTS ADVANCED	\$.00

	AMOUNT DUE THIS INVOICE	\$3,648.00

MATTER SUMMARY:	FEES	COSTS	TOTAL
PACESET.000GEN	\$573.00	\$.00	\$573.00
PACESET.023A	\$50.00	\$.00	\$50.00
PACESET.034A	\$750.00	\$.00	\$750.00
PACESET.051A	\$50.00	\$.00	\$50.00
PACESET.052A	\$50.00	\$.00	\$50.00
PACESET.054A	\$2,175.00	\$.00	\$2,175.00
TOTALS	\$3,648.00	\$.00	\$3,648.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 259148

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.000GEN
MATTER NAME: GENERAL

9/6/05/1051

LEGAL SERVICES RENDERED

01/08/98	CONFER WITH JAMES HAGLER REGARDING STATUS OF OUTSTANDING PATENT MATTERS MICHAEL H. TRENHOLM	.30	75.00✓
01/15/98	REVIEW STATUS OF CASES; CONFER WITH JAMES HAGLER, MARK ABUMERI AND RONALD SCHOENBAUM REGARDING SAME; CONFER WITH CLIENT REGARDING SAME MICHAEL H. TRENHOLM	1.50	375.00✓
01/15/98	DISCUSS STATUS OF PENDING CASES WITH MICHAEL H. TRENHOLM; UPDATE STATUS REPORT RONALD SCHOENBAUM	.20	48.00✓
01/27/98	LETTER TO LISA WEINBERG REGARDING STATUS OF CASES; UPDATE STATUS REPORT; CONFER WITH JAMES HAGLER REGARDING SAME MICHAEL H. TRENHOLM	.30	75.00

TOTAL FOR LEGAL SERVICES RENDERED \$573.00

TOTAL LEGAL SERVICES	\$573.00
TOTAL CHARGES FOR MATTER	----- \$573.00

KNOBBE MARTENS OLSON & BEAR LLP
 INVOICE NO. 259148

PAGE: 3
 CLIENT: PACESET
 ATTY: MHT /ROS

MATTER NUMBER: PACESET.023A
 MATTER NAME: RAM BASED STATE MACHINE IN AN IMPLANTABLE DEVICE
 TO FACILITATE RAPID PRODUCT EVOLUTION
 PATENT APPLICATION/U.S.
 CLIENT REFERENCE: 95E1011/B

LEGAL SERVICES RENDERED

01/29/98 CONFER WITH JAMES HAGLER REGARDING STATUS OF .20 50.00 ✓
 CASE
 MICHAEL H. TRENHOLM

TOTAL FOR LEGAL SERVICES RENDERED \$50.00

TOTAL LEGAL SERVICES \$50.00

 TOTAL CHARGES FOR MATTER \$50.00

Knobbe Martens Olson & Bear LLP
INVOICE NO. 259148

PAGE: 4
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.034A
MATTER NAME: THE USE OF SENSORY STIMULI AS A METHOD OF
PATIENT NOTIFICATION

CLIENT REFERENCE: 94E7811/A 9691065

LEGAL SERVICES RENDERED

01/09/98 REVIEW PRIOR ART MICHAEL H. TRENHOLM	.50	125.00
01/12/98 REVIEW OFFICE ACTION, OUTLINE POSSIBLE RESPONSE STRATEGY MICHAEL H. TRENHOLM	2.50	625.00

TOTAL FOR LEGAL SERVICES RENDERED \$750.00

TOTAL LEGAL SERVICES	\$750.00
TOTAL CHARGES FOR MATTER	----- \$750.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 259148

PAGE: 5
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.051A
MATTER NAME: PACING ELECTRODE WITH MASKED SURFACE FOR "HIGH-
Z" PACING
PATENT/U.S.
CLIENT REFERENCE: 96E 1094, 94E 7827 AND 96E 1113

LEGAL SERVICES RENDERED

01/29/98 REVIEW STATUS OF CASE	.20	50.00 ✓
MICHAEL H. TRENHOLM		

TOTAL FOR LEGAL SERVICES RENDERED	\$50.00
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TOTAL LEGAL SERVICES	\$50.00

TOTAL CHARGES FOR MATTER	\$50.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 259148

PAGE: 6
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.052A
MATTER NAME: ENERGY-EFFICIENT USE OF AN ATRIAL SENSE
AMPLIFIER

CLIENT REFERENCE: 96E1051/A+

LEGAL SERVICES RENDERED

01/29/98 REVIEW STATUS OF CASE	.20	50.00 ^v
MICHAEL H. TRENHOLM		

TOTAL FOR LEGAL SERVICES RENDERED	\$50.00
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TOTAL LEGAL SERVICES	\$50.00

TOTAL CHARGES FOR MATTER	\$50.00

Knobbe Martens Olson & Bear LLP
INVOICE NO. 259148

PAGE: 7
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.054A
MATTER NAME: ACCELEROMETER USING A GMR SENSOR

CLIENT REFERENCE: 96E1128/A

LEGAL SERVICES RENDERED

01/07/98 CONTINUE REVISING APPLICATION, DRAFTING CLAIMS MICHAEL H. TRENHOLM	2.50	625.00
01/08/98 REVIEW AND REVISE CLAIMS; DRAFT ABSTRACT MICHAEL H. TRENHOLM	3.70	925.00
01/09/98 REVIEW AND FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.50	625.00

TOTAL FOR LEGAL SERVICES RENDERED \$2,175.00

TOTAL LEGAL SERVICES	\$2,175.00

TOTAL CHARGES FOR MATTER	\$2,175.00

PAID 4-1-98

KNOBBE, MARTENS, OLSON & BEAR, LLP

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FEDERAL TAX ID NO. 95-3605138

Feb 18 1999

INVOICE NO. 262378 (PACESET)
INVOICE DATE: 03/13/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH FEBRUARY 28, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$8,801.50
	PAYMENTS RECEIVED	(\$5,153.50)
	BALANCE FORWARD	\$3,648.00
	CHARGES THIS INVOICE	\$8,466.00
	BALANCE OWED	\$12,114.00

INVOICE SUMMARY:	LEGAL SERVICES	\$8,466.00
	COSTS ADVANCED	\$.00
	AMOUNT DUE THIS INVOICE	\$8,466.00

MATTER SUMMARY:

	FEES	COSTS	TOTAL
PACESET.040CP1 97E1078	\$750.00	\$.00	\$750.00
PACESET.050A 96E1104	\$34.00	\$.00	\$34.00
PACESET.062A UNKNOWN 97E1001	\$7,325.00	\$.00	\$7,325.00
PACESET.063A 96E1126	\$357.00	\$.00	\$357.00
TOTALS	\$8,466.00	\$.00	\$8,466.00

APPROVED FOR
PAYMENT
Paul E. [Signature]

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 262378

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.040CP1
MATTER NAME: A REDUCED PAIN ROUNDED WAVEFORM FOR CARDIO-
VERSION AND ATRIAL DEFIBRILLATION

CLIENT REFERENCE: 96E1083/A+

LEGAL SERVICES RENDERED

02/25/98 REVIEW DISCLOSURE; OUTLINE DRAFT OF APPLICATION 2.00 500.00
MICHAEL H. TRENHOLM

02/26/98 REVIEW DISCLOSURE; OUTLINE DRAFT OF 1.00 250.00
APPLICATION; CONFER WITH LISA WEINBERG
REGARDING SAME
MICHAEL H. TRENHOLM

TOTAL FOR LEGAL SERVICES RENDERED \$750.00

TOTAL LEGAL SERVICES \$750.00

TOTAL CHARGES FOR MATTER \$750.00

*OK to pay
M. J. Romano
19 March 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 262378

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.050A
MATTER NAME: DUAL-CHAMBER WITH BACKUP DEFIBRILLATOR
PATENT/U.S.

CLIENT REFERENCE: 96E 1104 ✓

LEGAL SERVICES RENDERED

01/09/98 TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING STRATEGY AND DIRECTION TO DRAFT APPLICATION MARK M. ABUMERI	.20	34.00
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TOTAL FOR LEGAL SERVICES RENDERED \$34.00

TOTAL LEGAL SERVICES	\$34.00

TOTAL CHARGES FOR MATTER	\$34.00

*OK to pay
m. j. Remick
19 March 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 262378

PAGE: 4
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.062A 97E1001
MATTER NAME: EFFICIENT GENERATION OF SENSE CHANNEL IEGM IN A
PACEMAKER OR ICD
PATENT/U.S.

LEGAL SERVICES RENDERED

01/15/98	OUTLINE DRAFT OF APPLICATION; REVIEW DISCLOSURE MICHAEL H. TRENHOLM	2.00	500.00
01/21/98	CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.00	250.00
01/30/98	CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.50	375.00
02/06/98	CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.00	250.00
02/09/98	CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.20	550.00
02/10/98	CONTINUE OUTLINING APPLICATION; BEGIN DRAFTING SPECIFICATION AND PREPARING DRAWINGS MICHAEL H. TRENHOLM	6.00	1500.00
02/11/98	CONTINUE DRAFTING SPECIFICATION MICHAEL H. TRENHOLM	3.60	900.00
02/12/98	CONTINUE DRAFTING SPECIFICATION OF APPLICATION MICHAEL H. TRENHOLM	1.00	250.00
02/13/98	CONTINUE DRAFTING SPECIFICATION MICHAEL H. TRENHOLM	2.50	625.00
02/20/98	CONTINUE DRAFTING SPECIFICATION OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
02/23/98	CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	3.50	875.00
02/27/98	REVIEW AND REVISE DRAFT OF SPECIFICATION MICHAEL H. TRENHOLM	3.00	750.00

TOTAL FOR LEGAL SERVICES RENDERED \$7,325.00

TOTAL LEGAL SERVICES	\$7,325.00

TOTAL CHARGES FOR MATTER	\$7,325.00

O/K To pay
M.J. Romano
19 March 1998

Knobbe Martens Olson & Bear LLP
INVOICE NO. 262378

PAGE: 5
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.063A
MATTER NAME: COMBIPOLAR ATRIAL SENSING/PACING USING A
DEFIBRILLATOR SHOCKING COIL AS THE SECOND
ELECTRODE
CLIENT REFERENCE: 96E1126/A ✓

LEGAL SERVICES RENDERED

02/27/98	REVIEW DISCLOSURE AND ASSOCIATED MEMOS INCLUDING TEST RESULTS IN CONNECTION WITH THE INVENTION; CONDUCT A BRIEF SEARCH FOR RELATED PATENTS ON THE WEB MARK M. ABUMERI	2.10	357.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$357.00
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TOTAL LEGAL SERVICES	\$357.00

TOTAL CHARGES FOR MATTER	\$357.00

OK to pay
M.T. Romano
19 March 1998

KNOBBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
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NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

PAID
5/15/98

INVOICE NO. 263509 (PACESET)
INVOICE DATE: 04/09/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH MARCH 31, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$12,114.00
	PAYMENTS RECEIVED	(\$11,341.00)
	ADJUSTMENTS APPLIED	(\$773.00)
	BALANCE FORWARD	\$.00
	CHARGES THIS INVOICE	\$6,101.93
	BALANCE OWED	\$6,101.93

INVOICE SUMMARY:	LEGAL SERVICES	\$6,100.00
	COSTS ADVANCED	\$1.93

	AMOUNT DUE THIS INVOICE	\$6,101.93

NOTE: THIS INVOICE INCLUDES CREDITS TO THE PREVIOUS BALANCE THAT SHOULD BE REFLECTED IN YOUR PAYMENT UNLESS PREVIOUSLY DEDUCTED BY YOU IN A PRIOR PAYMENT.

MATTER SUMMARY:

	FEES	COSTS	TOTAL
PACESET.016A 95E1029	\$75.00	\$.00	\$75.00
PACESET.040CP1 96P1059	\$3,025.00	\$.00	\$3,025.00
PACESET.062A 97E1001	\$3,000.00	\$1.93	\$3,001.93
TOTALS	\$6,100.00	\$1.93	\$6,101.93

APPROVED FOR
PAYMENT:

[Signature]
4-17-98

✓
KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 263509

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.016A
MATTER NAME: LEAD DESIGNS AND TRIGGERED STIMULATION FOR
MULTIPLE SITE...

CLIENT REFERENCE: 95E1029/B

LEGAL SERVICES RENDERED

02/10/98 REVIEW STATUS OF APPLICATION; BRIEFLY REVIEW	.30	75.00
DISCLOSURE		
MICHAEL H. TRENHOLM		

TOTAL FOR LEGAL SERVICES RENDERED	\$75.00
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TOTAL LEGAL SERVICES	\$75.00

TOTAL CHARGES FOR MATTER	\$75.00

OK To pay
M.S. Romano
14 April 1998

Knobbe Martens Olson & Bear LLP
INVOICE NO. 263509

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.040CP1
MATTER NAME: A REDUCED PAIN ROUNDED WAVEFORM FOR CARDIO-
VERSION AND ATRIAL DEFIBRILLATION

CLIENT REFERENCE: 96E1083/A+ 9621059

LEGAL SERVICES RENDERED

03/10/98	CONFER WITH GABRIEL MOUCHAWAR REGARDING INVENTION DISCLOSURE; OUTLINE DRAFT OF APPLICATION; CONFER WITH LISA WEINBERG REGARDING SAME MICHAEL H. TRENHOLM	.50	125.00
03/19/98	CONTINUE DRAFTING SPECIFICATION; PREPARE ADDITIONAL DRAWINGS MICHAEL H. TRENHOLM	1.60	400.00
03/20/98	CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	1.50	375.00
03/21/98	CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.50	625.00
03/24/98	REVIEW DRAFT OF SPECIFICATION; CONFER WITH GABRIEL MOUCHAWAR REGARDING SAME MICHAEL H. TRENHOLM	1.50	375.00
03/25/98	CONTINUE DRAFTING PATENT APPLICATION MICHAEL H. TRENHOLM	2.50	625.00
03/30/98	CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$3,025.00

TOTAL LEGAL SERVICES	\$3,025.00
TOTAL CHARGES FOR MATTER	----- \$3,025.00

OK TO pay
M. J. Romano
14 April 1998

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 263509

PAGE: 4
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.062A
MATTER NAME: EFFICIENT GENERATION OF SENSE CHANNEL IEGM IN A
PACEMAKER OR ICD
PATENT/U.S.

972/001

LEGAL SERVICES RENDERED

03/02/98 CONTINUE REVISING DRAFT OF SPECIFICATION MICHAEL H. TRENHOLM	1.10	275.00
03/03/98 REVIEW AND REVISE SPECIFICATION; DRAFT CLAIMS MICHAEL H. TRENHOLM	4.20	1050.00
03/04/98 CONTINUE REVISING APPLICATION; DRAFTING CLAIMS MICHAEL H. TRENHOLM	4.20	1050.00
03/06/98 REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
03/09/98 REVIEW AND FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.50	375.00
03/10/98 FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.00	750.00
FEE ADJUSTMENT PER ATTORNEY		(1000.00)

TOTAL FOR LEGAL SERVICES RENDERED \$3,000.00

COSTS ADVANCED

POSTAGE	1.93
TOTAL COSTS ADVANCED	\$1.93

TOTAL LEGAL SERVICES	\$3,000.00
TOTAL COSTS ADVANCED	\$1.93

TOTAL CHARGES FOR MATTER	\$3,001.93

OK TO pay
M.S. Romano
14 April 1998

KNOBBE, MARTENS, OLSON & BEAR, LLP
620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502

* REMITTANCE ADVICE *
* SUBMIT THIS PAGE WITH YOUR PAYMENT. THANK YOU. *

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH MARCH 31, 1998

INVOICE NO. 263509 (PACESET)
INVOICE DATE: 04/09/98

INVOICE SUMMARY:	LEGAL SERVICES	\$6,100.00
	COSTS ADVANCED	\$1.93

	AMOUNT DUE THIS INVOICE	\$6,101.93

KNOLBE, MARTENS, OLSON & BEAR, LLP
620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 266159 (PACESET)
INVOICE DATE: 05/17/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH APRIL 30, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$6,101.93
	PAYMENTS RECEIVED	(\$6,101.93)
	BALANCE FORWARD	\$.00
	CHARGES THIS INVOICE	\$10,646.02
	BALANCE OWED	\$10,646.02

INVOICE SUMMARY:	LEGAL SERVICES	\$10,413.00
	COSTS ADVANCED	\$233.02

	AMOUNT DUE THIS INVOICE	\$10,646.02

MATTER SUMMARY:	FEES	COSTS	TOTAL
PACESET.040CP1	\$1,175.00	\$6.45	\$1,181.45
PACESET.056A	\$125.00	\$.00	\$125.00
PACESET.063A	\$9,113.00	\$226.57	\$9,339.57
TOTALS	\$10,413.00	\$233.02	\$10,646.02

APPROVED FOR
[Signature]

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 266159

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.040CP1
MATTER NAME: A REDUCED PAIN ROUNDED WAVEFORM FOR CARDIO-
VERSION AND ATRIAL DEFIBRILLATION

CLIENT REFERENCE: 96E1083/A+ *97E1079*

LEGAL SERVICES RENDERED

04/08/98 DRAFT CLAIMS MICHAEL H. TRENHOLM	1.00	250.00
04/13/98 CONTINUE DRAFTING CLAIMS MICHAEL H. TRENHOLM	2.10	525.00
04/15/98 REVIEW AND FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.60	400.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,175.00

COSTS ADVANCED

PHOTOCOPY CHARGES	6.45
TOTAL COSTS ADVANCED	\$6.45

TOTAL LEGAL SERVICES	\$1,175.00
TOTAL COSTS ADVANCED	\$6.45

TOTAL CHARGES FOR MATTER	\$1,181.45

*OK to pay
M.J. Romano
19 May 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 266159

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.056A
MATTER NAME: INCLINOMETER FOR IMPLANTABLE DEVICES

CLIENT REFERENCE: 96E1125/A

LEGAL SERVICES RENDERED

04/22/98 REVIEW FILE; CONFER WITH INVENTOR REGARDING .50 125.00
SAME
MICHAEL H. TRENHOLM

TOTAL FOR LEGAL SERVICES RENDERED \$125.00

TOTAL LEGAL SERVICES \$125.00

TOTAL CHARGES FOR MATTER \$125.00

*OK To pay
m.j. Romano
19 May 1998*

MATTER NUMBER: PACESET.063A
MATTER NAME: COMBIPOLAR ATRIAL SENSING/PACING USING A
DEFIBRILLATOR SHOCKING COIL AS THE SECOND
ELECTRODE
CLIENT REFERENCE: 96E1126/A ✓

LEGAL SERVICES RENDERED

03/02/98	CONDUCT ADDITIONAL SEARCH FOR RELATED PATENTS; REVIEW SEARCH RESULTS MARK M. ABUMERI	1.30	221.00
03/04/98	REVIEW DETAILS OF THE HELLAND PATENT; OUTLINE STRUCTURE AND VARIOUS SECTIONS OF THE APPLICATION; DRAFT BACKGROUND OF THE INVENTION MARK M. ABUMERI	3.50	595.00
03/17/98	TELEPHONE CONFERENCE WITH INVENTOR HAL SCHLOSS REGARDING NOVELTY AND CLAIMING STRATEGY; TELEPHONE CONFERENCE WITH ESTELLA PENIERO REGARDING NEEDED REFERENCE FOR APPLICATION MARK M. ABUMERI	.40	68.00
03/18/98	REVIEW FIGURES AND BACKGROUND OF THE HELLAND (5,571,163) PATENT IN VIEW OF INVENTOR'S COMMENTS; TELEPHONE CONFERENCE WITH INVENTOR H. SCHLOSS REGARDING FIGURES, AND CLARIFYING COLLECTED TEST DATA AND INCORPORATING SAME IN APPLICATION; DRAFT BRIEF DESCRIPTION OF THE DRAWINGS; REVIEW AND INCORPORATE STANDARD DETAILED DESCRIPTION FOR PACEMAKER/DEFIBRILLATOR (FIGS. 1 AND 2) RECEIVED FROM LISA WEINBERG; BRIEFLY REVIEW WECKE PATENT (5,400,796) PURSUANT TO INVENTOR'S E-MAIL MARK M. ABUMERI	4.60	782.00
03/20/98	REVIEW FULL DETAILS OF HOEGNELID (5,571,143) PATENT PURSUANT TO H. SCHLOSS'S INSTRUCTIONS; DETERMINE SCOPE OF PROTECTION AND CLAIMING STRATEGY FOR PRESENT INVENTION MARK M. ABUMERI	1.20	204.00
03/24/98	REVIEW AND EDIT TEXT DRAFTED SO FAR; DRAFT AND LABEL FIGURES 3 AND 4; REVIEW PERTINENT SECTIONS OF THE HELLAND PATENT TO REFERENCE FOR EXEMPLARY LEADS IN PRESENT APPLICATION; DRAFT DETAILED DESCRIPTIONS FOR FIGURES 3 AND 4 MARK M. ABUMERI	4.50	765.00

03/26/98	REVIEW AND DETERMINE SCOPE OF COMPARATIVE TEST RESULTS FOR PACING AND SENSING; DRAFT DETAILED DESCRIPTION ANALYZING THE TEST RESULTS FOR PACING IN ATRIUM; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING TEST RESULTS ANALYSIS; DRAFT DETAILED DESCRIPTION FOR SECOND (FIG. 7) EMBODIMENT MARK M. ABUMERI	4.50	765.00
03/30/98	CONTINUE DRAFTING SPECIFICATION FOR THE APPLICATION MARK M. ABUMERI	1.70	289.00
04/07/98	REVIEW AND CONCLUDE ANALYSIS OF DATA FOR BIPOLAR ATRIAL PACING (FIG. 6) MARK M. ABUMERI	.80	136.00
04/08/98	DRAFT DETAILED DESCRIPTION/ANALYSIS FOR TEST RESULTS OF CARDIAC SENSING (FIGURE 7); REVIEW, EDIT AND CONCLUDE DETAILED DESCRIPTION FOR THE APPLICATION; DRAFT AND LABEL DRAWING FOR AN ATRIAL RING ELECTRODE INCORPORATED IN A VENTRICULAR LEAD (FIGURE 5); DRAFT ONE SET OF CLAIMS FOR BIPOLAR PACING; INSTRUCT ASSISTANT TO DRAFT TWO TABLES (FIGS. 6 AND 7), AND HAVE DRAFTING DO FIGS. 3 - 5. MARK M. ABUMERI	6.80	1156.00
04/10/98	TELEPHONE CONFERENCE WITH S. ELLIS (DRAFTING DEPT.) REGARDING PREPARATION OF FIGURES 3-5; INSTRUCT ASSISTANT TO REVIEW FIGURES 6-7; REVIEW AND EDIT THE ANALYSIS; SECTION FOR TEST RESULTS IN THE DETAILED DESCRIPTION; DRAFT A SET OF CLAIMS FOR BIPOLAR SENSING; DRAFT 2 SETS OF METHOD CLAIMS; DRAFT 2 SETS OF MEANS-PLUS-FUNCTION CLAIMS; DRAFT ABSTRACT OF THE DISCLOSURE MARK M. ABUMERI	6.80	1156.00
04/13/98	ATTORNEY CONFERENCE REGARDING PROPOSED CLAIM STRATEGY DREW S. HAMILTON	.25	92.50
04/13/98	TELEPHONE CONFERENCE WITH INVENTOR H. SCHLOSS REGARDING STRUCTURE AND SCOPE OF CLAIMS; DRAFT NEW SETS OF CLAIMS PURSUANT TO INVENTOR'S COMMENTS; DRAFT REVISIONS TO EXISTING CLAIMS TO MODIFY SCOPE PURSUANT TO INVENTOR'S COMMENTS MARK M. ABUMERI	3.10	527.00
04/14/98	ATTORNEY CONFERENCE REGARDING THE DRAFT APPLICATION AND REVIEW COORDINATION DREW S. HAMILTON	.50	185.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 266159

PAGE: 6
CLIENT: PACESET
ATTY: MHT/ROS

04/14/98	TELEPHONE CONFERENCE WITH H. SCHLOSS REGARDING SURFACE AREA OF DEFIBRILLATION ELECTRODE; INCORPORATE SURFACE AREA RANGE IN APPLICATION; INSTRUCT ASSISTANT TO FAX CLAIMS/FIGURES TO INVENTOR MARK M. ABUMERI	.30	51.00
04/15/98	ATTORNEY CONFERENCE REGARDING PROPOSED CLAIM AMENDMENTS DREW S. HAMILTON	.25	92.50
04/15/98	DRAFT ADDITIONAL CLAIMS AND REVISIONS PURSUANT TO H. SCHLOSS'S COMMENTS ON THE CLAIMS MARK M. ABUMERI	.80	136.00
04/16/98	ATTENTION TO NEW CLAIMS; CONTINUE REVIEW AND REVISION OF THE DRAFT APPLICATION DREW S. HAMILTON	2.50	925.00
04/16/98	TELEPHONE CONFERENCE WITH DREW HAMILTON REGARDING NEWLY ADDED CLAIMS MARK M. ABUMERI	.10	17.00
04/20/98	ATTORNEY CONFERENCE REGARDING PROPOSED REVISIONS TO THE APPLICATION AND TO ADDRESS CLAIM STRATEGY DREW S. HAMILTON	.50	185.00
04/21/98	TELEPHONE CONFERENCE WITH SAM ELLIS (DRAFTING) REGARDING CHANGE TO FIGURE 5; DRAFT REVISIONS TO THE SPECS/CLAIMS PURSUANT TO DREW HAMILTON 'S COMMENTS; DRAFT SUMMARY OF THE INVENTION MARK M. ABUMERI	2.60	442.00
04/22/98	CONCLUDE REVISIONS TO THE CLAIMS; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING SAME; DRAFT ABSTRACT OF THE DISCLOSURE; INSTRUCT ASSISTANT TO FINALIZE DOCUMENTS AND FORWARD TO CLIENT; REVIEW FINAL APPLICATION AND LETTER PRIOR TO SENDING TO CLIENT MARK M. ABUMERI	1.90	323.00

TOTAL FOR LEGAL SERVICES RENDERED \$9,113.00

COSTS ADVANCED

PHOTOCOPY CHARGES	9.45
DRAFTING CHARGES	187.50
FAX CHARGE	7.00
POSTAGE	2.62
03/06/98 MICROPATENT - COMPUTER SEARCH	10.00
03/19/98 MICROPATENT - COMPUTER SEARCH	10.00
TOTAL COSTS ADVANCED	\$226.57

*OK to pay
M. J. Roman
19 May 1998*

✓ net pg total

1
KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 266159

PAGE: 7
CLIENT: PACESET
ATTY: MHT /ROS

TOTAL LEGAL SERVICES
TOTAL COSTS ADVANCED
TOTAL CHARGES FOR MATTER

\$9,113.00
\$226.57

\$9,339.57

OLL

KNOBBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 268124 (PACESET)
INVOICE DATE: 06/08/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH MAY 31, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$10,646.02
	CHARGES THIS INVOICE	\$13,250.63
	BALANCE OWED	\$23,896.65

INVOICE SUMMARY:	LEGAL SERVICES	\$13,234.00
	COSTS ADVANCED	\$16.63

	AMOUNT DUE THIS INVOICE	\$13,250.63

MATTER SUMMARY:

	FEES	COSTS	TOTAL
PACESET.050A	\$204.00	\$.00	\$204.00
PACESET.053A	\$51.00	\$.00	\$51.00
PACESET.055A	\$1,000.00	\$.00	\$1,000.00
PACESET.064A	\$2,754.00	\$11.70	\$2,765.70
PACESET.065A	\$7,775.00	\$1.93	\$7,776.93
PACESET.066A	\$825.00	\$3.00	\$828.00
PACESET.067A	\$625.00	\$.00	\$625.00
TOTALS	\$13,234.00	\$16.63	\$13,250.63

APPROVED FOR
PAYMENT

[Signature]

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 2
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.050A
MATTER NAME: DUAL-CHAMBER WITH BACKUP DEFIBRILLATOR
PATENT/U.S.

CLIENT REFERENCE: 96E 1104 ✓

LEGAL SERVICES RENDERED

04/29/98 REVIEW VARIOUS DOCUMENTS IN FILE; DETERMINE PRESENT ISSUES TO DISCUSS WITH INVENTOR; TELEPHONE VOICE MAIL TO GABRIEL MOUCHAWAR MARK M. ABUMERI	.80	136.00
05/01/98 TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING TECHNICAL DETAILS AND CLAIMING STRATEGY MARK M. ABUMERI	.40	68.00

TOTAL FOR LEGAL SERVICES RENDERED \$204.00

TOTAL LEGAL SERVICES	\$204.00

TOTAL CHARGES FOR MATTER	\$204.00

*OK R Pay
M.S. Romano
15 June 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.053A
MATTER NAME: COMMUNICATION WITH AN IMPLANTABLE DEVICE USING
A GMR SENSOR

CLIENT REFERENCE: 96E1132/A ✓

LEGAL SERVICES RENDERED

04/20/98 ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING REVISIONS AND COMMENTS ON THE CLAIMS AND SPECIFICATIONS MARK M. ABUMERI	.30	51.00
--	-----	-------

TOTAL FOR LEGAL SERVICES RENDERED	\$51.00
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TOTAL LEGAL SERVICES	\$51.00
TOTAL CHARGES FOR MATTER	----- \$51.00

OIC TO pay
M.J. Romano
15 June 1998

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 4
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.055A
MATTER NAME: PRESSURE SENSOR USING MAGNETIC FIELD DETECTION

CLIENT REFERENCE: 96E1126/A ✓

LEGAL SERVICES RENDERED

04/06/98 BEGIN OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.50	875.00
04/22/98 REVIEW FILE; CONFER WITH INVENTOR REGARDING SAME MICHAEL H. TRENHOLM	.50	125.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,000.00

TOTAL LEGAL SERVICES	\$1,000.00
TOTAL CHARGES FOR MATTER	----- \$1,000.00

*OIC R. P. pay
M. T. Norman
15 June 1998*

MATTER NUMBER: PACESET.064A
MATTER NAME: LEAD FOR LEFT HEART PACING THROUGH THE CORONARY
SINUS

CLIENT REFERENCE: 96E1126/A

97E1010

LEGAL SERVICES RENDERED

05/07/98	ATTORNEY CONFERENCE WITH G. BORNZIN, A. PIANCA, AND LISA WEINBERG REGARDING TECHNICAL DETAILS OF THE INVENTION MARK M. ABUMERI	1.00	170.00
05/12/98	REVIEW FAXED INFORMATION FROM A. PIANCA; DRAFT E-MAIL LETTER TO A. PIANCA REGARDING SAME MARK M. ABUMERI	.70	119.00
05/13/98	CONDUCT SEARCH FOR ISSUED U.S. PATENTS WHICH MAY BE RELEVANT TO STYLET IN CORONARY SINUS REGION; REVIEW SEARCH RESULTS MARK M. ABUMERI	1.70	289.00
05/18/98	REVIEW PACKAGE RECEIVED FROM A. PIANCA; REVIEW ADDITIONAL PATENTS WHICH MAY BE RELEVANT TO INVENTION INCLUDING ALFERNESS '233 AND BOWALD '546; SEARCH FOR AND OBTAIN SEVERAL PATENTS FOR SWARTZ PURSUANT TO INVENTOR'S COMMENTS; REVIEW THE SAME; DRAFT BACKGROUND SECTION MARK M. ABUMERI	6.00	1020.00
05/19/98	REVIEW JUNE 13 MEMO BY INVENTORS REGARDING TEST MECHANICS AND RESULTS OF THE SEMPRE LEADS PLACEMENT IN THE CORONARY SINUS; INSTRUCT ASSISTANT TO OBTAIN FULL TEXT OF PATENTS BY SWARTZ; DETERMINE TYPES AND CONTENTS OF FIGURES; TELEPHONE CONFERENCE WITH A. PIANCA REGARDING DETAILS OF INVENTION, AND LEAD PLACEMENT MECHANICS; DRAFT DESCRIPTION FOR CORONARY SINUS AND ASSOCIATED VEINS; CONCLUDE BACKGROUND SECTION; DRAFT BRIEF DESCRIPTION OF THE DRAWINGS MARK M. ABUMERI	6.80	1156.00

TOTAL FOR LEGAL SERVICES RENDERED \$2,754.00

COSTS ADVANCED

PHOTOCOPY CHARGES 11.70

TOTAL COSTS ADVANCED \$11.70

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 6
CLIENT: PACESET
ATTY: MHT /ROS

TOTAL LEGAL SERVICES	\$2,754.00
TOTAL COSTS ADVANCED	\$11.70

TOTAL CHARGES FOR MATTER	\$2,765.70

*OK To pay
M.J. Hendon
15 June 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 7
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.065A
MATTER NAME: METHOD OF REFORMING AN IMPLANTABLE DEVICE
HV CAPACITOR
PATENT/U.S.
CLIENT REFERENCE: 97E 1083 98P1011

LEGAL SERVICES RENDERED

05/04/98 REVIEW NEW DISCLOSURE MICHAEL H. TRENHOLM	2.00	500.00
05/13/98 REVIEW INVENTION DISCLOSURE MICHAEL H. TRENHOLM	1.00	250.00
05/14/98 REVIEW INVENTION DISCLOSURE; OUTLINE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.50	625.00
05/15/98 REVIEW DISCLOSURE; CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.40	850.00
05/16/98 PREPARE DRAWINGS; OUTLINE DRAFT OF SPECIFICATION MICHAEL H. TRENHOLM	3.20	800.00
05/18/98 DRAFT SPECIFICATION OF APPLICATION MICHAEL H. TRENHOLM	5.00	1250.00
05/19/98 REVIEW AND REVISE SPECIFICATION OF APPLICATION; BEGIN DRAFTING CLAIMS MICHAEL H. TRENHOLM	7.00	1750.00
05/20/98 CONTINUE DRAFTING CLAIMS; REVIEW AND REVISE SAME MICHAEL H. TRENHOLM	4.00	1000.00
05/21/98 FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.00	750.00

TOTAL FOR LEGAL SERVICES RENDERED \$7,775.00

COSTS ADVANCED

POSTAGE	1.93
TOTAL COSTS ADVANCED	\$1.93

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 8
CLIENT: PACESET
ATTY: MHT /ROS

TOTAL LEGAL SERVICES	\$7,775.00
TOTAL COSTS ADVANCED	\$1.93

TOTAL CHARGES FOR MATTER	\$7,776.93

*O.C. To pay
M. P. Romano
15 June 1998*

Knobbe Martens Olson & Bear LLP
INVOICE NO. 268124

PAGE: 9
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.066A
MATTER NAME: ICD WITH CONTINUOUS REGULAR TESTING OF
DEFIBRILLATION LEAD STATUS
PATENT U.S.
CLIENT REFERENCE: 95E 1081; 94E 7816

LEGAL SERVICES RENDERED

05/18/98 REVIEW INVENTION DISCLOSURE MICHAEL H. TRENHOLM	.80	200.00
05/19/98 REVIEW DISCLOSURES, PRIOR ART IN PREPARATION FOR DRAFTING APPLICATION MICHAEL H. TRENHOLM	.50	125.00
05/31/98 REVIEW PRIOR ART MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$825.00

COSTS ADVANCED

PHOTOCOPY CHARGES	3.00
TOTAL COSTS ADVANCED	\$3.00

TOTAL LEGAL SERVICES	\$825.00
TOTAL COSTS ADVANCED	\$3.00

TOTAL CHARGES FOR MATTER	\$828.00

OK To pay
N.T. Roman
15 June 1998

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 268124

PAGE: 10
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.067A
MATTER NAME: SYNAMIC SELF-RESULATING FREQUENCY FOR THE
PERFORMANCE OF AUTOMATIC FUNCTIONS
PATENT/U.S.
CLIENT REFERENCE: 95E 1132; 96E 1006

LEGAL SERVICES RENDERED

05/19/98 REVIEW DISCLOSURES MICHAEL H. TRENHOLM	.50	125.00
05/26/98 REVIEW DISCLOSURE IN PREPARATION OF OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$625.00

TOTAL LEGAL SERVICES	\$625.00

TOTAL CHARGES FOR MATTER	\$625.00

*OIC To Pay
M. H. Treholm
15 June 1998*

KNOBBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 272650 (PACESET)
INVOICE DATE: 07/27/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH JUNE 30, 1998

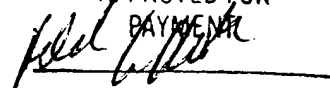
ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$23,896.65
	PAYMENTS RECEIVED	(\$23,896.65)
	BALANCE FORWARD	\$.00
	CHARGES THIS INVOICE	\$20,771.95
	BALANCE OWED	\$20,771.95

INVOICE SUMMARY:	LEGAL SERVICES	\$20,702.50
	COSTS ADVANCED	\$69.45

	AMOUNT DUE THIS INVOICE	\$20,771.95

MATTER SUMMARY:	FEES	COSTS	TOTAL
PACESET.034A	\$750.00	\$.00	\$750.00
PACESET.048A	\$1,250.00	\$19.00	\$1,269.00
PACESET.050A	\$51.00	\$10.00	\$61.00
PACESET.064A	\$9,426.50	\$30.00	\$9,456.50
PACESET.065A	\$75.00	\$6.45	\$81.45
PACESET.066A	\$2,100.00	\$.00	\$2,100.00
PACESET.067A	\$7,050.00	\$4.00	\$7,054.00
TOTALS	\$20,702.50	\$69.45	\$20,771.95

APPROVED FOR
PAYMENT



Knobbe Martens Olson & Bear LLP
INVOICE NO. 272650

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.034A
MATTER NAME: THE USE OF SENSORY STIMULI AS A METHOD OF
PATIENT NOTIFICATION

CLIENT REFERENCE: 94E7811/A

96P1065

LEGAL SERVICES RENDERED

03/09/98 REVIEW AND REVISE DRAFT OF APPLICATION; CONFER WITH JAMES HAGLER REGARDING SAME MICHAEL H. TRENHOLM	3.00	750.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$750.00
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TOTAL LEGAL SERVICES	\$750.00

TOTAL CHARGES FOR MATTER	\$750.00

*OK to pay
cm. J. Roudine
9/11/98*

MATTER NUMBER: PACESET.048A
MATTER NAME: GUIDING CATHETER FOR PLACEMENT OF ELECTRODE
PATENT/U.S.

CLIENT REFERENCE: 96E1101

LEGAL SERVICES RENDERED

04/22/98	TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING DRAFTING STRATEGY AND RELATION TO ANOTHER DISCLOSURE MARK M. ABUMERI	.20	34.00
04/29/98	REVIEW INVENTION DISCLOSURES AND ASSOCIATED DOCUMENTS FOR 96E 1101 AND 97E 1010; OBTAIN AND BRIEFLY REVIEW BOWLAD ET AL. (5,411,546) AND ALFERNES ET AL. (5,387,233); TELEPHONE CONFERENCE WITH G. BORNZIN REGARDING FILING SEPARATE APPLICATIONS FOR EACH DISCLOSURE; INSTRUCT ASSISTANT TO FAX DISCLOSURE FOR THE SAME TO G. BORNZIN, AND OPEN NEW FILE; DRAFT E-MAIL LETTER TO LISA WEINBERG REGARDING SAME MARK M. ABUMERI	2.40	408.00
05/01/98	TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING CLAIMING STRATEGY AND NOVEL DETAILS. MARK M. ABUMERI	.40	68.00
05/07/98	ATTORNEY CONFERENCE AND ATTENTION TO STRATEGY REGARDING INVENTION AND CLAIMS TO BE PREPARED DREW S. HAMILTON	.50	185.00
05/11/98	ATTENTION TO DISCLOSURE INFORMATION AND ATTORNEY CONFERENCE REGARDING THE APPLICATION DREW S. HAMILTON	.25	92.50
05/15/98	ATTENTION TO FURTHER DISCLOSURE FROM CLIENT; ATTORNEY CONFERENCE REGARDING APPLICATION STRATEGY DREW S. HAMILTON	.25	92.50
05/19/98	ATTORNEY CONFERENCE REGARDING POSSIBLE ADDITIONAL CLAIM STRATEGIES DREW S. HAMILTON	.25	92.50
05/20/98	ATTORNEY CONFERENCE REGARDING APPLICATION AND CLAIM STRATEGIES DREW S. HAMILTON	.25	92.50
05/26/98	ATTORNEY CONFERENCE REGARDING APPLICATION REVISIONS AND REVIEW COORDINATION DREW S. HAMILTON	.25	92.50

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 4
CLIENT: PACESET
ATTY: MHT/ROS

06/01/98 ATTORNEY CONFERENCE REGARDING APPLICATION .25 92.50
STRATEGY
DREW S. HAMILTON

TOTAL FOR LEGAL SERVICES RENDERED \$1,250.00

COSTS ADVANCED

FAX CHARGE 9.00
04/29/98 MICROPATENT - OBTAINING COPIES OF PATENTS 10.00

TOTAL COSTS ADVANCED \$19.00

TOTAL LEGAL SERVICES	\$1,250.00
TOTAL COSTS ADVANCED	\$19.00

TOTAL CHARGES FOR MATTER	\$1,269.00

OK TO pay
m.j. romano
9/1/98

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 5
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.050A
MATTER NAME: DUAL-CHAMBER WITH BACKUP DEFIBRILLATOR
PATENT/U.S.

CLIENT REFERENCE: 96E 1104

LEGAL SERVICES RENDERED

06/05/98 REVIEW NOTES IN FILE IN RESPONSE TO VOICEMAIL .30 51.00
BY LISA WEINBERG; TELEPHONE CONFERENCE WITH
LISA WEINBERG REGARDING SAME
MARK M. ABUMERI

TOTAL FOR LEGAL SERVICES RENDERED \$51.00

COSTS ADVANCED

05/01/98 MICROPATENT - OBTAINING COPIES OF PATENTS 10.00

TOTAL COSTS ADVANCED \$10.00

TOTAL LEGAL SERVICES	\$51.00
TOTAL COSTS ADVANCED	\$10.00

TOTAL CHARGES FOR MATTER	\$61.00

*OK to pay
M.V. Romano
9/1/98*

MATTER NUMBER: PACESET.064A
MATTER NAME: LEAD FOR LEFT HEART PACING THROUGH THE CORONARY
SINUS

CLIENT REFERENCE: 96E1126/A

LEGAL SERVICES RENDERED

06/05/98	PREPARE AND LABEL FIGURES 1, 2 AND 3; REVISE BRIEF DESCRIPTION OF THE DRAWINGS; REVIEW 37 C.F.R. 1.84 REGARDING FILING PHOTOGRAPH WITH PATENT APPLICATION; DRAFT DETAILED DESCRIPTION FOR FIGURE 1 MARK M. ABUMERI	2.90	493.00
06/08/98	CONTINUE DRAFTING DETAILED DESCRIPTION OF THE INVENTION; DRAFT DETAILED DESCRIPTION FOR FIGURE 2; REVIEW DETAILED DESCRIPTION SECTION OF THE ALFERNES ('233) PATENT; PREPARE AND LABEL INFORMAL FIGURES 1,2A AND 3C; DETERMINE DIFFERENCES BETWEEN ALFERNES LEAD AND LEAD OF PRESENT INVENTION; DRAFT DETAILED DESCRIPTION FOR FIGURES 3A AND 3B; TELEPHONE VOICEMAIL TO A. PIANCA REGARDING DISTANCE AND PLACEMENT OF ELECTRODES IN CORONARY SINUS REGION MARK M. ABUMERI	7.10	1207.00
06/10/98	CONTINUE DRAFTING DETAILED DESCRIPTION OF THE INVENTION; DRAFT DETAILED DESCRIPTION FOR FIGURES 3C AND 4; REVIEW AND DRAFT DESCRIPTION FOR DAIG INTRODUCER/CATHETER MARK M. ABUMERI	5.10	867.00
06/11/98	ATTORNEY CONFERENCE REGARDING INCORPORATION BY REFERENCE ISSUES AND APPLICATION DESCRIPTION STRATEGY DREW S. HAMILTON	.25	92.50
06/11/98	DRAFT REVISIONS TO DETAILED DESCRIPTION PURSUANT TO VOICEMAIL COMMENTS BY A. PIANCA; DRAFT SEVERAL SETS OF APPARATUS CLAIMS; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING FILING PHOTOGRAPH OF IMPLANTED LEAD WITH APPLICATION; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING CLAIM STRATEGY; DRAFT ADDED DESCRIPTION TO SUPPORT CLAIMS MARK M. ABUMERI	4.80	816.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 7
CLIENT: PACESET
ATTY: MHT/ROS

06/15/98	TELEPHONE CONFERENCE WITH A. PIANCA REGARDING SPECIFICATIONS OF LEAD, AND ALTERNATE EMBODIMENTS OF OPEN-END LEAD; DRAFT DETAILED DESCRIPTIONS FOR USE OF INTRODUCER, SPECIFICATIONS OF FIRST LEAD AND OPEN-END LEAD AND PLACEMENT THEREOF (FIGURES 5 AND 6) MARK M. ABUMERI	4.60	782.00
06/16/98	FINALIZE AND LABEL ALL FIGURES IN CONFORMANCE WITH THE DETAILED DESCRIPTION; REVIEW AND EDIT APPLICATION BEFORE SUBMISSION TO DREW HAMILTON FOR REVIEW MARK M. ABUMERI	2.70	459.00
06/17/98	DRAFT E-MAIL TO A. PIANCA REGARDING REVIEWING FIRST DRAFT MARK M. ABUMERI	.10	17.00
06/19/98	REVIEW AND REVISE THE DRAFT APPLICATION DREW S. HAMILTON	.50	185.00
06/19/98	TELEPHONE CONFERENCE WITH A. PIANCA REGARDING CHASTAIN '766 PATENT MARK M. ABUMERI	.10	17.00
06/22/98	REVIEW FULL TEXT OF THE CHASTAIN PATENT; TELEPHONE CONFERENCE WITH A. PIANCA REGARDING SAME MARK M. ABUMERI	1.30	221.00
06/24/98	CONTINUE TO REVIEW AND REVISE THE DRAFT APPLICATION; ATTORNEY CONFERENCE TO GO OVER PROPOSED REVISIONS TO THE SPECIFICATION AND TO DEVELOP ADDITIONAL CLAIM STRATEGY DREW S. HAMILTON	2.50	925.00
06/24/98	ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING REVISIONS TO SPECIFICATION, AND THE CHASTAIN '766 PATENT MARK M. ABUMERI	.30	51.00
06/25/98	ATTORNEY CONFERENCE REGARDING STRATEGY FOR PREPARATION OF ADDITIONAL CLAIM SETS DREW S. HAMILTON	.25	92.50
06/25/98	DRAFT REVISIONS TO APPLICATION PURSUANT TO DREW HAMILTON'S COMMENTS; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING CLAIM STRATEGY MARK M. ABUMERI	3.80	646.00
06/26/98	REVIEW AND FINAL REVISION OF THE PROPOSED CLAIMS; ATTORNEY CONFERENCE REGARDING CLAIM REVISIONS AND STRATEGY DREW S. HAMILTON	.75	277.50

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 8
CLIENT: PACESET
ATTY: MHT /ROS

06/26/98	DRAFT ADDITIONAL SETS OF METHOD, MEANS-PLUS-FUNCTION, AND OPEN-ENDED LEAD CLAIMS; ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING SAME; INSTRUCT ASSISTANT TO FORWARD CLAIMS TO LISA WEINBERG FOR REVIEW; MARK M. ABUMERI	3.40	578.00
06/29/98	TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING REVISIONS TO CLAIMS; TELEPHONE CONFERENCE WITH A. PIANCA REGARDING NOVELTY OF SPHERICAL END IN STYLET; DRAFT REVISIONS TO CLAIMS PURSUANT TO LISA WEINBERG'S COMMENTS; DRAFT TWO SETS OF METHOD OF MANUFACTURING CLAIMS MARK M. ABUMERI	5.20	884.00
06/30/98	DRAFT FIGURE AND DETAILED DESCRIPTION FOR 3RD EMBODIMENT FOR 3 DIMENSIONAL BENDS; DRAFT REVISIONS TO SPECIFICATIONS TO INCLUDE ANGLE AND DIMENSIONS AS RECITED IN THE CLAIMS; DRAFT SUMMARY OF THE INVENTION AND ABSTRACT OF THE DISCLOSURE SECTIONS; INSTRUCT ASSISTANT TO FINALIZE APPLICATION AND PREPARE INFORMATION DISCLOSURE STATEMENT MARK M. ABUMERI	4.80	816.00

TOTAL FOR LEGAL SERVICES RENDERED \$9,426.50

COSTS ADVANCED

05/19/98	MICROPATENT - OBTAINING COPIES OF PATENTS	30.00
TOTAL COSTS ADVANCED		\$30.00

TOTAL LEGAL SERVICES	\$9,426.50
TOTAL COSTS ADVANCED	\$30.00

TOTAL CHARGES FOR MATTER	\$9,456.50

*OK to pay
M.J. Romano
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 9
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.065A
MATTER NAME: METHOD OF REFORMING AN IMPLANTABLE DEVICE
HV CAPACITOR
PATENT/U.S.
CLIENT REFERENCE: 97E 1083

LEGAL SERVICES RENDERED

06/01/98 CONFER WITH INVENTOR REGARDING DRAFT OF APPLICATION; REVIEW SAME MICHAEL H. TRENHOLM	.30	75.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$75.00
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COSTS ADVANCED

PHOTOCOPY CHARGES	6.45
TOTAL COSTS ADVANCED	\$6.45

TOTAL LEGAL SERVICES	\$75.00
TOTAL COSTS ADVANCED	\$6.45

TOTAL CHARGES FOR MATTER	\$81.45

*OK to pay
M. J. Romano
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 10
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.066A
MATTER NAME: ICD WITH CONTINUOUS REGULAR TESTING OF
DEFIBRILLATION LEAD STATUS
PATENT/U.S.
CLIENT REFERENCE: 95E 1081;94E 7816

LEGAL SERVICES RENDERED

06/15/98 REVIEW DISCLOSURE AND CITED ART IN PREPARATION FOR DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
06/16/98 REVIEW DISCLOSURE, CITED ART; BEGIN OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
06/17/98 CONFER WITH INVENTOR REGARDING DISCLOSURE MICHAEL H. TRENHOLM	.40	100.00
06/19/98 CONFER WITH CLIENT; BEGIN REVISING DRAFT MICHAEL H. TRENHOLM	1.00	250.00
06/22/98 CONTINUE REVISING DRAFT OF APPLICATION; CONFER WITH LISA WEINBERG REGARDING SAME MICHAEL H. TRENHOLM	3.00	750.00

TOTAL FOR LEGAL SERVICES RENDERED \$2,100.00

TOTAL LEGAL SERVICES	\$2,100.00

TOTAL CHARGES FOR MATTER	\$2,100.00

*OK to pay
M. T. Romano
9/1/98*

MATTER NUMBER: PACESET.067A
MATTER NAME: SYNAMIC SELF-RESULATING FREQUENCY FOR THE
PERFORMANCE OF AUTOMATIC FUNCTIONS
PATENT/U.S.
CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

06/01/98	OUTLINE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
06/02/98	CONTINUE REVIEW OF PRIOR ART CALLAGHAN PATENT (NO. 4,969,464); CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.50	875.00
06/03/98	CONTINUE OUTLINING DRAFT OF APPLICATION; BEGIN DRAFTING OF SPECIFICATION MICHAEL H. TRENHOLM	2.00	500.00
06/04/98	CONFER WITH LISA WEINBERG; REVIEW DISCLOSURE; BEGIN PREPARING DRAWINGS AND DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
06/05/98	PREPARE DRAWINGS FOR APPLICATION; OUTLINE DRAFT OF APPLICATION; LETTER TO CLIENT REGARDING SAME MICHAEL H. TRENHOLM	7.00	1750.00
06/09/98	DRAFT SPECIFICATION OF APPLICATION MICHAEL H. TRENHOLM	7.00	1750.00
06/15/98	REVIEW DISCLOSURE AND CITED ART; BEGIN OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.50	375.00
06/18/98	CONFER WITH LISA WEINBERG REGARDING ADDITIONAL DISCLOSURE; REVIEW SAME MICHAEL H. TRENHOLM	1.20	300.00
06/23/98	CONTINUE DRAFTING SPECIFICATION MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$7,050.00

COSTS ADVANCED

FAX CHARGE	4.00
TOTAL COSTS ADVANCED	\$4.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 272650

PAGE: 12
CLIENT: PACESET
ATTY: MHT /ROS

TOTAL LEGAL SERVICES	\$7,050.00
TOTAL COSTS ADVANCED	\$4.00

TOTAL CHARGES FOR MATTER	\$7,054.00

*OK TO pay
M. J. Romano
9/1/98*

KNOBBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 273588 (PACESET)
INVOICE DATE: 08/19/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH JULY 31, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$20,771.95
	CHARGES THIS INVOICE	\$17,650.54
	BALANCE OWED	\$38,422.49

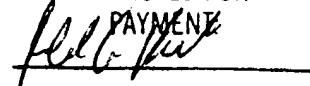
INVOICE SUMMARY:	LEGAL SERVICES	\$16,864.50
	COSTS ADVANCED	\$786.04

	AMOUNT DUE THIS INVOICE	\$17,650.54

MATTER SUMMARY:

	FEEES	COSTS	TOTAL
PACESET.043A	\$1,040.00	\$306.03	\$1,346.03
PACESET.046A	\$8,500.00	\$.00	\$8,500.00
PACESET.064A	\$449.50	\$477.85	\$927.35
PACESET.066A	\$750.00	\$.00	\$750.00
PACESET.067A	\$3,000.00	\$2.16	\$3,002.16
PACESET.068A	\$1,375.00	\$.00	\$1,375.00
PACESET.069A	\$1,000.00	\$.00	\$1,000.00
PACESET.070A	\$750.00	\$.00	\$750.00
TOTALS	\$16,864.50	\$786.04	\$17,650.54

APPROVED FOR

PAYMENT


Knobbe Martens Olson & Bear LLP
INVOICE NO. 273588

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.043A
MATTER NAME: SWITCH CIRCUIT FOR ICD APPLICATION
PATENT/U.S.

CLIENT REFERENCE: 95E1122/A-

LEGAL SERVICES RENDERED

02/11/98 DRAFT PATENT APPLICATION JAMES T. HAGLER	4.00	720.00
02/12/98 DRAFT PATENT APPLICATION JAMES T. HAGLER	5.00	900.00
02/20/98 DRAFT PATENT APPLICATION JAMES T. HAGLER	4.00	720.00
02/25/98 FINALIZE DRAFT OF PATENT APPLICATION JAMES T. HAGLER	1.00	180.00
03/11/98 REVISE APPLICATION PER MICHAEL H. TRENHOLM'S COMMENTS; PREPARE APPLICATION FOR FILING AND SEND TO CLIENT JAMES T. HAGLER	3.00	540.00
03/11/98 REVIEW AND REVISE DRAFT OF APPLICATION; CONFER WITH JAMES HAGLER REGARDING SAME MICHAEL H. TRENHOLM	2.00	500.00
FEE ADJUSTMENT PER ATTORNEY		(2520.00)

TOTAL FOR LEGAL SERVICES RENDERED \$1,040.00

COSTS ADVANCED

DRAFTING CHARGES	300.00
02/12/98 DIALOG COMPUTER RESEARCH	6.03
TOTAL COSTS ADVANCED	\$306.03

TOTAL LEGAL SERVICES	\$1,040.00
TOTAL COSTS ADVANCED	\$306.03

TOTAL CHARGES FOR MATTER	\$1,346.03

OK to pay
m. J. Romano
9/1/98

MATTER NUMBER: PACESET.046A
MATTER NAME: SYSTEM AND METHOD FOR ALERTING CLINICIAN OF
"SAFETY ALERT" STATUS OF AN IMPLANTED DEVICE
PATENT/U.S.
CLIENT REFERENCE: 92E 1067(A+)

LEGAL SERVICES RENDERED

05/06/98	ATTORNEY CONFERENCE WITH ERIC NELSON REGARDING DRAFTING APPLICATION MARK M. ABUMERI	.10	17.00
05/07/98	REVIEW SEARCH REPORT AND DISCLOSURE; REVIEW PREPARED LIST OF QUESTIONS; CONFER WITH MARK ABUMERI REGARDING PROSECUTION STRATEGY ERIC NELSON	2.00	310.00
05/07/98	ATTORNEY CONFERENCE WITH ERIC NELSON REGARDING DETAILS OF THE INVENTION AND DETERMINE NEEDED INFORMATION; TELEPHONE CONFERENCE WITH E. PINIERO REGARDING COPY OF PROVISIONAL APPLICATION MARK M. ABUMERI	.70	119.00
05/11/98	CONFER WITH LISA WEINBERG REGARDING DISCLOSURE MATERIAL; CONFER WITH DR. PAUL LEVINE REGARDING ADDITIONAL MATERIALS THAT ARE NEEDED TO PREPARE APPLICATION ERIC NELSON	.70	108.50
05/21/98	CONFER WITH LISA WEINBERG REGARDING NOVEL FEATURES OF INVENTION AND POSSIBILITY OF CLAIMING PRIORITY TO THE PROVISIONAL APPLICATION; REVIEW TEXT OF PROVISIONAL APPLICATION ERIC NELSON	.30	46.50
05/26/98	REVIEW MATERIALS PROVIDED BY LISA WEINBERG AND THE INVENTOR ERIC NELSON	.70	108.50
06/01/98	REVIEW MANN PATENT; PREPARE FIGURES 1-4 FOR PATENT APPLICATION ERIC NELSON	1.60	248.00
06/03/98	REVIEW WITH MARK ABUMERI PROPOSED DRAWINGS; REVISE DRAWINGS; REVIEW APS MANUALS ERIC NELSON	1.60	248.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 4
CLIENT: PACESET
ATTY: MHT/ROS

06/03/98	ATTORNEY CONFERENCE WITH ERIC NELSON REGARDING NOVEL FEATURES OF INVENTION, REVIEW OF DRAWINGS, AND CLAIMING STRATEGY MARK M. ABUMERI	1.10	187.00
06/05/98	PREPARE BACKGROUND OF THE INVENTION ERIC NELSON	2.50	387.50
06/08/98	REVISE BACKGROUND OF THE INVENTION ERIC NELSON	.30	46.50
06/09/98	CONTINUE TO DEVELOP DETAILED DESCRIPTION OF THE INVENTION ERIC NELSON	3.70	573.50
06/10/98	CONTINUE TO PREPARE DETAILED DESCRIPTION OF INVENTION; PREPARE INDEPENDENT CLAIMS; PREPARE ABSTRACT OF THE INVENTION ERIC NELSON	3.60	558.00
06/10/98	REVIEW AND EDIT BACKGROUND SECTION MARK M. ABUMERI	.80	136.00
06/11/98	REVISE BACKGROUND OF THE INVENTION ERIC NELSON	.40	62.00
06/11/98	REVIEW AND EDIT APPARATUS AND METHOD CLAIMS MARK M. ABUMERI	.60	102.00
06/12/98	REVISE BACKGROUND OF THE INVENTION ERIC NELSON	.20	31.00
06/15/98	CONFER WITH MARK ABUMERI REGARDING MODIFICATION OF CLAIMS ERIC NELSON	1.00	155.00
06/15/98	CONTINUE REVIEWING AND EDITING CLAIMS; ATTORNEY CONFERENCE WITH ERIC NELSON REGARDING SAME MARK M. ABUMERI	.80	136.00
06/16/98	ADD DEPENDENT CLAIMS; REVISE DESCRIPTION OF THE FIGURES; PREPARE SUMMARY OF THE INVENTION ERIC NELSON	7.50	1162.50
06/22/98	REVISE DETAILED DESCRIPTION OF THE INVENTION ERIC NELSON	2.10	325.50
06/23/98	REVISE DETAILED DESCRIPTION OF THE INVENTION ERIC NELSON	1.80	279.00
06/24/98	REVISE DETAILED DESCRIPTION OF THE INVENTION ERIC NELSON	2.40	372.00

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 5
CLIENT: PACESET
ATTY: MHT /ROS

06/26/98	REVISE DETAILED DESCRIPTION OF THE INVENTION ERIC NELSON	2.20	341.00
07/20/98	BEGIN REVIEWING INVENTION DISCLOSURE; DRAFT OF APPLICATION MICHAEL H. TRENHOLM	.50	125.00
07/21/98	REVIEW AND REVISE DRAFT MICHAEL H. TRENHOLM	1.50	375.00
07/22/98	CONFER WITH MIKE TRENHOLM REGARDING REVISIONS TO THE PATENT APPLICATION ERIC NELSON	.20	31.00
07/22/98	REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.50	875.00
07/23/98	REVISE DRAFT OF APPLICATION; DRAFT CLAIM SET MICHAEL H. TRENHOLM	5.00	1250.00
07/24/98	CONFER WITH MIKE TRENHOLM REGARDING APPLICATIONS ERIC NELSON	.20	31.00
07/24/98	FINALIZE DRAFT OF APPLICATION; DRAFT ADDITIONAL CLAIMS MICHAEL H. TRENHOLM	5.00	1250.00
07/29/98	REVIEW CHANGES OF MIKE TRENHOLM; CONFER WITH MIKE TRENHOLM REGARDING STATUS ERIC NELSON	1.80	279.00
07/29/98	CONFER WITH ERIC NELSON REGARDING REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	.50	125.00
	FEE ADJUSTMENT PER ATTORNEY		(1901.00)

TOTAL FOR LEGAL SERVICES RENDERED \$8,500.00

TOTAL LEGAL SERVICES \$8,500.00

TOTAL CHARGES FOR MATTER \$8,500.00

*OK to pay
m. J. Lombardo
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 6
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.064A
MATTER NAME: LEAD FOR LEFT HEART PACING THROUGH THE CORONARY
SINUS

CLIENT REFERENCE: 96E1126/A

LEGAL SERVICES RENDERED

07/01/98	REVIEW FINALIZED APPLICATION AND ASSOCIATED DOCUMENTS BEFORE SUBMISSION TO CLIENT MARK M. ABUMERI	.60	102.00
07/06/98	ATTORNEY CONFERENCE REGARDING NEW CLAIMS AND REVISIONS TO ORIGINAL CLAIMS DREW S. HAMILTON	.25	92.50
07/14/98	REVIEW FINAL DRAWINGS RECEIVED FROM DRAFTING; TELEPHONE CONFERENCE WITH A. PIANCA REGARDING SAME MARK M. ABUMERI	.50	85.00
07/22/98	TELEPHONE CONFERENCE WITH M. ROMANO REGARDING REVISIONS; TELEPHONE CONFERENCE WITH A. PIANCA REGARDING SAME MARK M. ABUMERI	.30	51.00
07/27/98	REVIEW REVISIONS MADE BY INVENTORS TO DRAFT APPLICATION MARK M. ABUMERI	.70	119.00

TOTAL FOR LEGAL SERVICES RENDERED \$449.50

COSTS ADVANCED

	PHOTOCOPY CHARGES	17.85
	DRAFTING CHARGES	450.00
06/19/98	MICROPATENT - OBTAINING COPIES OF PATENTS	10.00
TOTAL COSTS ADVANCED		\$477.85

TOTAL LEGAL SERVICES	\$449.50
TOTAL COSTS ADVANCED	\$477.85

TOTAL CHARGES FOR MATTER	\$927.35

*C/K To pay
m. T. Romano
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 7
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.066A
MATTER NAME: ICD WITH CONTINUOUS REGULAR TESTING OF
DEFIBRILLATION LEAD STATUS
PATENT/U.S.
CLIENT REFERENCE: 95E 1081;94E 7816

LEGAL SERVICES RENDERED

07/28/98 REVIEW DISCLOSURE; REVIEW CITED ART; CONFER WITH LISA WEINBERG REGARDING SAME MICHAEL H. TRENHOLM	2.00	500.00
07/29/98 REVIEW DISCLOSURE, PRIOR ART; BEGIN OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.00	250.00

TOTAL FOR LEGAL SERVICES RENDERED \$750.00

TOTAL LEGAL SERVICES	\$750.00

TOTAL CHARGES FOR MATTER	\$750.00

OK to pay
m.j. romano
9/1/98

Knobbe Martens Olson & Bear LLP
INVOICE NO. 273588

PAGE: 8
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.067A
MATTER NAME: SYNAMIC SELF-RESULATING FREQUENCY FOR THE
PERFORMANCE OF AUTOMATIC FUNCTIONS
PATENT/U.S.
CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

07/06/98 CONTINUE DRAFTING SPECIFICATION MICHAEL H. TRENHOLM	2.00	500.00
07/07/98 CONTINUE DRAFTING SPECIFICATION MICHAEL H. TRENHOLM	4.50	1125.00
07/13/98 REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	5.80	1450.00
07/14/98 DRAFT CLAIMS OF APPLICATION MICHAEL H. TRENHOLM	3.00	750.00
07/15/98 REVIEW AND FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.40	350.00
07/16/98 REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
FEE ADJUSTMENT PER ATTORNEY		(1675.00)
TOTAL FOR LEGAL SERVICES RENDERED		\$3,000.00

COSTS ADVANCED

POSTAGE	2.16
TOTAL COSTS ADVANCED	\$2.16

TOTAL LEGAL SERVICES	\$3,000.00
TOTAL COSTS ADVANCED	\$2.16

TOTAL CHARGES FOR MATTER	\$3,002.16

OK to pay
m.j. Roman
9/1/98

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 9
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.068A
MATTER NAME: DUAL SENSOR RATE-RESPONSE PACEMAKER (1)
PATENT/U.S.

CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

06/11/98 REVIEW DISCLOSURE; CITED ART MICHAEL H. TRENHOLM	3.00	750.00
06/12/98 REVIEW DISCLOSURE MICHAEL H. TRENHOLM	1.00	250.00
06/15/98 REVIEW DISCLOSURE AND CITED ART; BEGIN OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	1.50	375.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,375.00

TOTAL LEGAL SERVICES	\$1,375.00

TOTAL CHARGES FOR MATTER	\$1,375.00

*OK To pay
- M. J. Romano
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 10
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.069A
MATTER NAME: DUAL SENSOR RATE-RESPONSE PACEMAKER (2)
PATENT/U.S.

CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

06/02/98 REVIEW DISCLOSURE, CITED ART MICHAEL H. TRENHOLM	1.00	250.00
06/11/98 REVIEW DISCLOSURE, CITED ART MICHAEL H. TRENHOLM	3.00	750.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,000.00

TOTAL LEGAL SERVICES	\$1,000.00

TOTAL CHARGES FOR MATTER	\$1,000.00

*OK to pay
M.J. Romano
9/1/98*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 273588

PAGE: 11
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.070A
MATTER NAME: A HIGH FREQUENCY LOW AMPLITUDE SIGNAL TO
OBTAIN AN ACCURATE ESTIMATE OF DEFIBRILLATION
LEAD IMPEDANCE - PATENT/U.S.
CLIENT REFERENCE: 94E 7816

LEGAL SERVICES RENDERED

07/28/98 REVIEW DISCLOSURE, CITED ART MICHAEL H. TRENHOLM	1.00	250.00
07/31/98 CONTINUE REVIEW OF PRIOR ART; OUTLINE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$750.00

TOTAL LEGAL SERVICES	\$750.00

TOTAL CHARGES FOR MATTER	\$750.00

*OIC To pay
m.j. bernard
9/1/98*

KNOBBE, MARTENS, OLSON & BEAR, LLP
620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 284264 (PACESET)
INVOICE DATE: 12/16/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH NOVEMBER 30, 1998

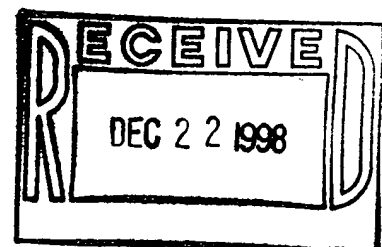
ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$10,154.59
	PAYMENTS RECEIVED	(\$4,528.09)
	BALANCE FORWARD	\$5,626.50
	CHARGES THIS INVOICE	\$19,186.65
	BALANCE OWED	\$24,813.15

INVOICE SUMMARY:	LEGAL SERVICES	\$18,330.00
	COSTS ADVANCED	\$856.65

	AMOUNT DUE THIS INVOICE	\$19,186.65

MATTER SUMMARY:	FEEs	COSTS	TOTAL
PACESET.061A	\$1,125.00	\$.00	\$1,125.00
PACESET.064A	\$14,500.00	\$856.65	\$15,356.65
PACESET.067A	\$1,375.00	\$.00	\$1,375.00
PACESET.073A	\$1,330.00	\$.00	\$1,330.00
TOTALS	\$18,330.00	\$856.65	\$19,186.65

APPROVED FOR
PAYMENT
1-27-98



Knobbe Martens Olson & Bear LLP
INVOICE NO. 284264

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.061A
MATTER NAME: COMPRESSION OF STORED ELECTROGRAM IN IMPLANTABLE
CARDIAC DEVICE
PATENT/U.S.

LEGAL SERVICES RENDERED

11/04/98 REVIEW MATERIALS; REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
11/05/98 REVIEW MATERIALS; MEET WITH CLIENT; DISCUSS REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	2.50	625.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,125.00

TOTAL LEGAL SERVICES

~~\$1,125.00~~

TOTAL CHARGES FOR MATTER

\$1,125.00

OK To pay
M. J. Hernandez
29 Dec 1998

MATTER NUMBER: PACESET.064A

MATTER NAME: LEAD FOR LEFT HEART PACING THROUGH THE CORONARY
SINUS

CLIENT REFERENCE: 96E1126/A

619-235-8550
97E1010/98P1021

LEGAL SERVICES RENDERED

08/03/98	PREPARE FOR MEETING AND MEET WITH M. ROMANO, LISA WEINBERG, AND INVENTORS A. PIANCA, G. BORNZIN, AND K. MORGAN REGARDING REVISIONS AND ADDITIONS TO THE DRAFT APPLICATION MARK M. ABUMERI	4.30	817.00
08/14/98	REVIEW MINUTES, REVISIONS AND ADDITIONS TO DRAFT APPLICATION; REVIEW AND EXAMINE SCOPE OF CAMMILLI ET AL. PATENT (5,545,204); COMMENCE DRAFTING REVISIONS TO APPLICATION MARK M. ABUMERI	2.80	532.00
08/17/98	ATTORNEY CONFERENCE REGARDING REVISIONS TO THE APPLICATION, NEW SUBJECT MATTER TO BE ADDED, AND CLAIM STRATEGY DREW S. HAMILTON	.50	185.00
08/17/98	ATTORNEY CONFERENCE WITH DREW HAMILTON REGARDING REVISIONS AND NEW DISCLOSURE MARK M. ABUMERI	.30	57.00
08/21/98	DRAFT REVISIONS TO BACKGROUND SECTION; SEARCH FOR AND REVIEW ARTICLES REGARDING MOLDING OF SILICONES AND POLYURETHANES MARK M. ABUMERI	2.10	399.00
08/24/98	DRAFT REVISIONS AND ADDITIONS TO DETAILED DESCRIPTION MARK M. ABUMERI	7.30	1387.00
08/25/98	CONTINUE DRAFTING ADDITIONS TO SPECIFICATIONS; DRAW AND REVISE NEW FIGURES MARK M. ABUMERI	3.90	741.00
08/27/98	CONTINUE DRAFTING ADDED DISCLOSURE TO SPECIFICATION; DRAFT E-MAIL TO INVENTORS REGARDING SAME MARK M. ABUMERI	7.10	1349.00
09/04/98	REVIEW E-MAIL ON DETAILS OF MANUFACTURING FROM INVENTOR K. MORGAN; INCORPORATE MORGAN'S DETAILS IN SPECIFICATION MARK M. ABUMERI	1.00	190.00

09/08/98	CREATE NEW FIGURES 4B AND 4C FOR THE TRI-BEND LEAD; UPDATE SPECIFICATIONS ACCORDINGLY; CREATE NEW FIGURES 6A, 6B AND 6C FOR THE INTRODUCER SHEATH; DRAFT NEW DETAILED DESCRIPTION FOR THE INTRODUCER SHEATH AND THE GUIDING ROD MARK M. ABUMERI	7.00	1330.00
09/28/98	DRAFT REVISIONS TO EXISTING CLAIMS; DRAFT NEW SETS OF CLAIMS PURSUANT TO MEETING WITH CLIENT MARK M. ABUMERI	3.90	741.00
09/29/98	DRAFT NEW SET OF METHOD CLAIMS FOR MAKING THE LEAD; REVIEW AND EDIT ENTIRE DRAFT BEFORE SUBMISSION TO DREW HAMILTON FOR REVIEW; DISCUSSION WITH SAM ELLIS (DRAFTING DEPT) REGARDING CLARIFYING REVISIONS TO FIGURES AND DRAFTING NEW FIGURES MARK M. ABUMERI	3.40	646.00
09/30/98	ATTORNEY CONFERENCE REGARDING APPLICATION REVISION STATUS AND NEW DISCLOSURE FROM THE INVENTORS TO BE ADDED DREW S. HAMILTON	.25	92.50
09/30/98	REVIEW AND REVISE FIGURES RECEIVED FROM DRAFTING; DISCUSSION WITH SAM ELLIS ON HOW TO DEPICT 3-DIMENSIONAL LEAD IN PERSPECTIVE AND CROSS-SECTIONAL VIEWS; REVIEW DISCLOSURE BY D. VACHON REGARDING SODA BLASTING AND ROUGHENING LEAD SURFACE; TELEPHONE CONFERENCE WITH CO-INVENTOR D. VACHON REGARDING SAME; TELEPHONE CONFERENCE WITH L. WEINBERG REGARDING INCLUSION OF NEW DISCLOSURE AND INSTRUCTION ON STRATEGY; DRAFT E-MAIL TO L. WEINBERG REGARDING REVIEW OF CLAIMS; SEARCH FOR INFO ON SODA-BLASTING USING THE WEB, AND REVIEW SEARCH RESULTS MARK M. ABUMERI	6.50	1235.00
10/01/98	CONDUCT SEARCH FOR PATENTS RELATED TO EPTFE AND IMPLANTABLE LEADS; REVIEW THE SOUKUP (5,466,252) AND MYERS (5,358,516) PATENTS REGARDING SAME; ADVISE INVENTOR TO REVIEW THE SAME; TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING COMMENTS ON THE CLAIMS, AND '252 PATENT RELATION TO D. VACHON'S IDEA; TELEPHONE CONFERENCE WITH D. VACHON REGARDING SAME MARK M. ABUMERI	4.20	798.00
10/05/98	ATTORNEY CONFERENCE REGARDING FURTHER CLAIM REVISIONS AND STRATEGY DREW S. HAMILTON	.25	92.50

10/05/98	REVIEW FURTHER DETAILED DISCLOSURE FROM CO-INVENTOR D. VACHON; OBTAIN AND REVIEW PATENT 4,573,480 CITED BY D. VACHON; RESPONSE TO LISA WEINBERG REGARDING CLAIM STRATEGY; COMMENCE DRAFTING DETAILED DESCRIPTION REGARDING EPTFE LEADS MARK M. ABUMERI	3.50	665.00
10/06/98	ATTORNEY CONFERENCE REGARDING PROPOSED CLAIM CHANGES AND NEW CLAIMS TO BE ADDED BASED ON NEW DISCLOSURE FROM THE INVENTORS DREW S. HAMILTON	.25	92.50
10/06/98	REVIEW INSTRUCTIONS FROM AND DISCUSS WITH LISA WEINBERG REGARDING NARROWING OF CLAIMS TO CORONARY SINUS; DRAFT REVISIONS TO CLAIMS PURSUANT TO LISA WEINBERG'S INSTRUCTIONS; CONTINUE AND CONCLUDE DRAFTING DETAILED DESCRIPTION FOR NEW DISCLOSURE OF ROUGHENING CS LEAD; CREATE FIGURE 9 AND INSTRUCT DRAFTING; DRAFT MEMORANDUM TO INVENTOR TO REVIEW THE DRAFT, AND FORWARD THE SAME MARK M. ABUMERI	6.20	1178.00
10/08/98	REVIEW ALL FIGURES FROM DRAFTING; INSTRUCT ASSISTANT TO FORWARD FIGURE 9 TO INVENTOR MARK M. ABUMERI	.70	133.00
10/09/98	ATTORNEY CONFERENCE REGARDING INVENTOR COMMENTS AND ADDITIONAL DISCLOSURE DREW S. HAMILTON	.25	92.50
10/09/98	REVIEW COMMENTS AND ADDITIONAL METHOD OF CRIMPING LEAD FROM DAVE VACHON; REVIEW SPECS PART REGARDING TYPE OF SILICON AND METHOD OF CURING THE SAME; DRAFT E-MAIL MEMO TO DAVE VACHON REGARDING SAME MARK M. ABUMERI	.70	133.00
10/13/98	ATTORNEY CONFERENCE REGARDING NEW MATERIAL TO BE ADDED TO THE APPLICATION AND FURTHER CLAIM STRATEGY DREW S. HAMILTON	.25	92.50
10/13/98	DRAFT DETAILED DESCRIPTION FOR THE CRIMP MOLDING METHOD; TELEPHONE CONFERENCE WITH INVENTOR, D. VACHON, REGARDING THICKNESS OF EPTFE AND ABOVE MATTER; DRAFT A SET OF STRUCTURE CLAIMS FOR THE LEAD WITH ROUGHENED PORTIONS; REVISE FIGURES 4B, 5, AND 9; INSTRUCTIONS TO DRAFTING REGARDING SAME; DRAFT A SET OF METHOD CLAIMS FOR MAKING THE LEAD WITH A ROUGHENED SURFACE; REVIEW AND FINALIZE APPLICATION TO SUBMIT TO DREW HAMILTON FOR	5.80	1102.00

REVIEW

MARK M. ABUMERI

10/16/98	REVIEW AND REVISE THE NEWLY PROPOSED DRAFT OF THE APPLICATION DREW S. HAMILTON	.50	185.00
10/20/98	ATTORNEY CONFERENCE REGARDING NEW CLAIMS AND APPLICATION REVISIONS DREW S. HAMILTON	.25	92.50
10/21/98	REVIEW AND REVISE THE DRAFT APPLICATION DREW S. HAMILTON	.50	185.00
10/21/98	EDIT AND FINALIZE FIGURES FOR FILING; REVIEW AND EDIT SUMMARY OF THE INVENTION AS DRAFTED BY ANNE PIANCA AND INCORPORATE INTO APPLICATION; DISCUSSION WITH LISA WEINBERG REGARDING SEPARATION OF CLAIMS INTO TWO CASES; DRAFT E-MAIL MEMO TO LISA WEINBERG CONFIRMING THE SAME; TELEPHONE CONFERENCE WITH D. VACHON, AND REVIEW E-MAIL FROM DAVE REGARDING SAME; DRAFT DEPENDENT CLAIMS COVERING VACHON'S SUBJECT MATTER TO FIRST GROUP OF CLAIMS; SEPARATE AND RENUMBER ALL 75 CLAIMS INTO TWO CASES MARK M. ABUMERI	5.80	1102.00
10/22/98	REVIEW AND REVISE THE NEW APPLICATION DRAFT INCLUDING EMBODIMENTS FROM INVENTOR DREW S. HAMILTON	3.50	1295.00
10/22/98	DISCUSSIONS WITH DREW HAMILTON REGARDING COMMENTS/REVISIONS TO APPLICATION MARK M. ABUMERI	.30	57.00
10/23/98	FOLLOW-UP REGARDING FINAL REVISIONS AND FILING PLANS DREW S. HAMILTON	.25	92.50
10/23/98	DRAFT ABSTRACT AND SUMMARY OF INVENTION TO "B" VERSION APPLICATION; DRAFT ADDITIONAL CLAIMS TO THE SAME; FINAL REVIEW AND EDIT OF ENTIRE APPLICATIONS BEFORE SUBMITTING APPLICATIONS TO CLIENT; WORK WITH ASSISTANT TO FINALIZE ASSOCIATED INFORMATION DISCLOSURE STATEMENT AND FIGURES; DRAFT LETTER TO CLIENT REGARDING SAME MARK M. ABUMERI	7.90	1501.00
10/30/98	ATTORNEY CONFERENCE REGARDING FINAL REVISIONS TO THE APPLICATION DREW S. HAMILTON	.25	92.50

KNOBBE MARTENS OLSON & BERT LLP
INVOICE NO. 284264

PAGE: 7
CLIENT: PACESET
ATTY: MHT/ROS

11/18/98 TELEPHONE CONFERENCE WITH ESTELLA PINEIRO .40 76.00
REGARDING REVISIONS TO DRAWINGS; REVIEW
FIGURES, AND INSTRUCT DRAFTING TO REVISE THE
SAME
MARK M. ABUMERI

FEE ADJUSTMENT PER ATTORNEY (4259.00)

TOTAL FOR LEGAL SERVICES RENDERED \$14,500.00

COSTS ADVANCED

PHOTOCOPY CHARGES 44.40
DRAFTING CHARGES 756.25
FAX CHARGE 4.00
10/01/98 MICROPATENT - OBTAINING COPIES OF PATENTS 30.00
10/05/98 MICROPATENT - OBTAINING COPIES OF PATENTS 10.00
10/23/98 FAXPAT - US PATENT FAXED 12.00

TOTAL COSTS ADVANCED \$856.65

TOTAL LEGAL SERVICES	\$14,500.00
TOTAL COSTS ADVANCED	\$856.65

TOTAL CHARGES FOR MATTER	\$15,356.65

*OK to pay
1-26-99
Molecular J. Romano*

Knobbe Martens Olson & Bear LLP
INVOICE NO. 284264

PAGE: 8
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.067A
MATTER NAME: SYNAMIC SELF-RESULATING FREQUENCY FOR THE
PERFORMANCE OF AUTOMATIC FUNCTIONS
PATENT/U.S.
CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

11/04/98 REVIEW MATERIALS; REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	3.00	750.00
11/05/98 REVIEW MATERIALS; MEET WITH CLIENT; DISCUSS REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	2.50	625.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,375.00

TOTAL LEGAL SERVICES	\$1,375.00

TOTAL CHARGES FOR MATTER	\$1,375.00

*OIC Topaz
M.J. Romano
29/Dec 1998*

Knobbe Martens Olson & Bear LLP
INVOICE NO. 284264

PAGE: 9
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.073A
MATTER NAME: SINGLE PASS DDD LEAD THROUGH TH CORONARY SINUS
PATENT/U.S.

CLIENT REFERENCE: 98E1053

LEGAL SERVICES RENDERED

11/05/98	REVIEW INVENTION DISCLOSURES AND ASSOCIATED DOCUMENTS/REFERENCES MARK M. ABUMERI	1.50	285.00
11/09/98	DETERMINE AND ANALYZE PATENTABLE DISTINCTIONS BETWEEN THE TWO DISCLOSURES; REVIEW THE MEHRA (5,683,429) PATENT CITED BY INVENTORS; CONDUCT SEARCH FOR RELEVANT PATENTS USING ON-LINE PATENT DATABASE MARK M. ABUMERI	3.80	722.00
11/10/98	REVIEW SEARCH RESULTS AND DETERMINE PATENTS WHICH MIGHT REQUIRE FURTHER EXAMINATION; INSTRUCTIONS TO ASSISTANT TO OBTAIN FULL-TEXT COPIES OF THE CHASTAIN AND SCHROEPPPEL PATENTS; DRAFT MEMORANDUM TO E. PINEIRO REGARDING INVENTOR MEETINGS MARK M. ABUMERI	1.70	323.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,330.00

TOTAL LEGAL SERVICES	\$1,330.00

TOTAL CHARGES FOR MATTER	\$1,330.00

OK To pay
M. J. Romano
29 Dec. 1998

KIEUBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502

* REMITTANCE ADVICE *
* SUBMIT THIS PAGE WITH YOUR PAYMENT. THANK YOU. *

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

FOR LEGAL SERVICES RENDERED THROUGH NOVEMBER 30, 1998

INVOICE NO. 284264 (PACESET)
INVOICE DATE: 12/16/98

INVOICE SUMMARY:	LEGAL SERVICES	\$18,330.00
	COSTS ADVANCED	\$856.65

	AMOUNT DUE THIS INVOICE	\$19,186.65

OUTSTANDING INVOICE BALANCES

INV DATE	INV NO.	BALANCE REMAINING
11/15/98	281390	\$5,626.50
12/16/98	284264	\$19,186.65
TOTAL BALANCE OWED		\$24,813.15

* PLEASE CONTACT KIEU LUU IN OUR ACCOUNTS RECEIVABLE DEPARTMENT AT
(949) 721-2982 IF YOU HAVE ANY QUESTIONS REGARDING YOUR OUTSTANDING
BALANCE. WE APPRECIATE YOUR PROMPT PAYMENT.

A LATE PAYMENT CHARGE IS ASSESSED ON ALL UNPAID BALANCES AT A RATE OF
10% PER ANNUM.

1
KNOBBE, MARTENS, OLSON & BEAR, LLP
620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 278435 (PACESET)
INVOICE DATE: 10/13/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

PA
OCT 28 1998
PACESETTER INC.

FOR LEGAL SERVICES RENDERED THROUGH SEPTEMBER 30, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$54,665.09
	PAYMENTS RECEIVED	(\$54,665.09)
	BALANCE FORWARD	\$.00
	CHARGES THIS INVOICE	\$4,528.09
	BALANCE OWED	\$4,528.09

INVOICE SUMMARY:	LEGAL SERVICES	\$4,500.00
	COSTS ADVANCED	\$28.09

	AMOUNT DUE THIS INVOICE	\$4,528.09

MATTER SUMMARY:	FEES	COSTS	TOTAL
PACESET.068A	\$1,000.00	\$.00	\$1,000.00
PACESET.069A	\$500.00	\$.00	\$500.00
PACESET.070A	\$2,500.00	\$28.09	\$2,528.09
PACESET.071A	\$500.00	\$.00	\$500.00
TOTALS	\$4,500.00	\$28.09	\$4,528.09

APPROVED FOR

PAYMENT



KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 278435

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.068A
MATTER NAME: DUAL SENSOR RATE-RESPONSE PACEMAKER (1)
PATENT/U.S.

CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

09/11/98 CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
09/18/98 CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,000.00

TOTAL LEGAL SERVICES	\$1,000.00

TOTAL CHARGES FOR MATTER	\$1,000.00

*OK to pay
M. J. Romano
21 Oct 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 278435

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.069A
MATTER NAME: DUAL SENSOR RATE-RESPONSE PACEMAKER (2)
PATENT/U.S.

CLIENT REFERENCE: 95E 1132;96E 1006

LEGAL SERVICES RENDERED

09/18/98 CONTINUE OUTLINING DRAFT OF APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$500.00
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TOTAL LEGAL SERVICES	\$500.00
----------------------	----------

TOTAL CHARGES FOR MATTER	----- \$500.00
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*OK to pay
M.J. Romano
21 OCT 1998*

Knobbe Martens Olson & Bear LLP
INVOICE NO. 278435

PAGE: 4
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.070A
MATTER NAME: A HIGH FREQUENCY LOW AMPLITUDE SIGNAL TO
OBTAIN AN ACCURATE ESTIMATE OF DEFIBRILLATION
LEAD IMPEDANCE - PATENT/U.S.
CLIENT REFERENCE: 94E 7816

LEGAL SERVICES RENDERED

09/02/98 REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.70	925.00
09/03/98 REVIEW AND REVISE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	4.00	1000.00
09/08/98 REVIEW AND REVISE APPLICATION; DRAFT CLAIMS MICHAEL H. TRENHOLM	4.00	1000.00
09/09/98 FINALIZE DRAFT OF APPLICATION MICHAEL H. TRENHOLM	3.00	750.00
09/16/98 FINALIZE AND FORWARD DRAFT OF APPLICATION MICHAEL H. TRENHOLM	.70	175.00
FEE ADJUSTMENT PER ATTORNEY		(1350.00)
TOTAL FOR LEGAL SERVICES RENDERED		\$2,500.00

COSTS ADVANCED

PHOTOCOPY CHARGES	5.70
08/19/98 MICROPATENT - OBTAINING COPIES OF PATENTS	20.00
09/16/98 POSTAGE	2.39
TOTAL COSTS ADVANCED	\$28.09

TOTAL LEGAL SERVICES	\$2,500.00
TOTAL COSTS ADVANCED	\$28.09

TOTAL CHARGES FOR MATTER	\$2,528.09

OK to pay
M. J. Rendon
21 Oct 1998

Knobbe Martens Olson & Bear LLP
INVOICE NO. 278435

PAGE: 5
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.071A
MATTER NAME: SPAV LEAD WITH MULTIPLE RA/LA RING ELECTRODES
WITH SELECTIVE ATRIAL ELECTRODE ADAPTOR FOR
THE CORONARY SINUS - PATENT/U.S.
CLIENT REFERENCE: 98E10406

LEGAL SERVICES RENDERED

09/30/98 REVIEW DISCLOSURE IN PREPARATION FOR OUTLINING APPLICATION; CONFER WITH CLIENT REGARDING SAME MICHAEL H. TRENHOLM	2.00	500.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$500.00
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TOTAL LEGAL SERVICES	\$500.00
TOTAL CHARGES FOR MATTER	----- \$500.00

OK To pay
M. J. Romano
21 OCT 1998

KNOBBE, MARTENS, OLSON & BEAR, LLP

620 NEWPORT CENTER DRIVE
SIXTEENTH FLOOR
NEWPORT BEACH, CA 92660
TELEPHONE (949)760-0404 FAX (949)760-9502
FEDERAL TAX ID NO. 95-3605138

INVOICE NO. 281390 (PACESET)
INVOICE DATE: 11/15/98

PACESETTER INC.
ATTN: MALCOLM J. ROMANO
CHIEF PATENT COUNSEL/ASSOC. GENERAL COUNSEL
15900 VALLEY VIEW COURT
SYLMAR CA 91392-9221

NOV 18 1998

FOR LEGAL SERVICES RENDERED THROUGH OCTOBER 31, 1998

ACCOUNT SUMMARY:	PREVIOUS BALANCE	\$4,528.09
	CHARGES THIS INVOICE	\$5,626.50
	BALANCE OWED	\$10,154.59

INVOICE SUMMARY:	LEGAL SERVICES	\$5,566.00
	COSTS ADVANCED	\$60.50

	AMOUNT DUE THIS INVOICE	\$5,626.50

MATTER SUMMARY:	FEEs	COSTS	TOTAL
PACESET.004A	\$.00	\$37.50	\$37.50
PACESET.048A	\$342.00	\$.00	\$342.00
PACESET.050A	\$2,099.00	\$23.00	\$2,122.00
PACESET.061A	\$1,000.00	\$.00	\$1,000.00
PACESET.067A	\$1,000.00	\$.00	\$1,000.00
PACESET.068A	\$1,125.00	\$.00	\$1,125.00
TOTALS	\$5,566.00	\$60.50	\$5,626.50

APPROVED FOR

PAYMENT



KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 281390

PAGE: 2
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.004A
MATTER NAME: AN IMPLANTED DATA BUS SYSTEM

LEGAL SERVICES RENDERED

COSTS ADVANCED

DRAFTING CHARGES	37.50
TOTAL COSTS ADVANCED	\$37.50
TOTAL COSTS ADVANCED	\$37.50

TOTAL CHARGES FOR MATTER	\$37.50

OK To pay
M.J. Roman
20 Nov 1998

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 281390

PAGE: 3
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.048A
MATTER NAME: GUIDING CATHETER FOR PLACEMENT OF ELECTRODE
PATENT/U.S.

CLIENT REFERENCE: 96E1101

LEGAL SERVICES RENDERED

10/26/98 REVIEW FILE DOCUMENTS INCLUDING INVENTION DISCLOSURE AND PATENT REFERENCES MARK M. ABUMERI	1.80	342.00
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TOTAL FOR LEGAL SERVICES RENDERED	\$342.00
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TOTAL LEGAL SERVICES	\$342.00

TOTAL CHARGES FOR MATTER	\$342.00

*OK to pay
ms. Roman
20 Nov 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 281390

PAGE: 4
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.050A
MATTER NAME: DUAL-CHAMBER WITH BACKUP DEFIBRILLATOR
PATENT/U.S.

CLIENT REFERENCE: 96E 1104

LEGAL SERVICES RENDERED

07/07/98	REVIEW SEVERAL FILE DOCUMENTS INCLUDING DISCLOSURE AND RELATED PATENTS; DRAFT BACKGROUND SECTION; EXAMINE THE ADAMS PATENT IN CONNECTION WITH THE INVENTION MARK M. ABUMERI	4.30	731.00
07/08/98	DETERMINE AND ANALYZE ISSUES RAISED BY THE ADAMS '482 PATENT; TELEPHONE CONFERENCE WITH INVENTOR DION DAVIS REGARDING SCOPE AND DETAILS OF INVENTIVE SUBJECT MATTER; CONTINUE DRAFTING THE APPLICATION MARK M. ABUMERI	3.20	544.00
07/09/98	DETERMINE TECHNICAL SPECIFICATIONS OF A PROPHYLACTIC ICD INCLUDING CAPACITANCE, BATTERY LIFETIME, NUMBER OF SHOCKS, TOTAL ENERGY STORED ETC, AS TAUGHT BY PRIOR ART; TELEPHONE CONFERENCE WITH D. DAVIS REGARDING SAME; DRAFT THE SAME IN BACKGROUND OF INVENTION AND FORWARD TO INVENTORS FOR REVIEW MARK M. ABUMERI	2.80	476.00
07/14/98	CONTINUE DRAFTING APPLICATION MARK M. ABUMERI	1.20	204.00
07/21/98	TELEPHONE CONFERENCE WITH D. DAVIS REGARDING TECHNICAL SPECIFICATIONS OF BATTERY/CAPACITIVE; TELEPHONE CONFERENCE WITH LISA WEINBERG REGARDING STATUS MARK M. ABUMERI	.40	68.00
08/13/98	DRAFT MEMORANDUM BY E-MAIL TO INVENTORS REGARDING NEED FOR DEFINITE RANGES FOR INVENTION MARK M. ABUMERI	.20	38.00
09/28/98	INSTRUCTIONS FROM LISA WEINBERG REGARDING INACTIVATION OF FILE; DRAFT E-MAIL TO MICHAEL H. TRENHOLM AND ASSISTANT REGARDING SAME MARK M. ABUMERI	.20	38.00

TOTAL FOR LEGAL SERVICES RENDERED \$2,099.00

COSTS ADVANCED

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 281390

PAGE: 5
CLIENT: PACESET
ATTY: MHT /ROS

FAX CHARGE	3.00
07/08/98 MICROPATENT - OBTAINING COPIES OF PATENTS	10.00
07/08/98 MICROPATENT - OBTAINING COPIES OF PATENTS	10.00
TOTAL COSTS ADVANCED	\$23.00

TOTAL LEGAL SERVICES	\$2,099.00
TOTAL COSTS ADVANCED	\$23.00

TOTAL CHARGES FOR MATTER	\$2,122.00

OK To Pay
M.J. Romano
20 Nov 1998

Knobbe Martens Olson & Bear LLP
INVOICE NO. 281390

PAGE: 6
CLIENT: PACESET
ATTY: MHT/ROS

MATTER NUMBER: PACESET.061A
MATTER NAME: COMPRESSION OF STORED ELECTROGRAM IN IMPLANTABLE
CARDIAC DEVICE
PATENT/U.S.

9061079

LEGAL SERVICES RENDERED

10/13/98 REVIEW INVENTOR'S REVISIONS TO APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
10/28/98 REVIEW INVENTOR'S COMMENTS ON PATENT APPLICATION; OUTLINE REVISIONS TO SAME MICHAEL H. TRENHOLM	2.00	500.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,000.00

TOTAL LEGAL SERVICES \$1,000.00

TOTAL CHARGES FOR MATTER \$1,000.00

OK TO pay
M.J. Romano
20 Nov 1998

Knobbe Martens Olson & Bear LLP
INVOICE NO. 281390

PAGE: 7
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.067A
MATTER NAME: SYNAMIC SELF-RESULATING FREQUENCY FOR THE
PERFORMANCE OF AUTOMATIC FUNCTIONS
PATENT/U.S.
CLIENT REFERENCE: 95E 1132;96E 1006/

LEGAL SERVICES RENDERED

10/15/98 REVIEW AND REVISE CLAIMS MICHAEL H. TRENHOLM	2.50	625.00
10/16/98 FINALIZE CLAIMS MICHAEL H. TRENHOLM	1.50	375.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,000.00

TOTAL LEGAL SERVICES	\$1,000.00

TOTAL CHARGES FOR MATTER	\$1,000.00

*OK To pay
m.j. Roudane
20 Nov 1998*

KNOBBE MARTENS OLSON & BEAR LLP
INVOICE NO. 281390

PAGE: 8
CLIENT: PACESET
ATTY: MHT /ROS

MATTER NUMBER: PACESET.068A
MATTER NAME: DUAL SENSOR RATE-RESPONSE PACEMAKER (1)
PATENT/U.S.

CLIENT REFERENCE: 95E 1132;96E 1006

7
97E1075

LEGAL SERVICES RENDERED

10/14/98 CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.00	500.00
10/16/98 CONTINUE DRAFTING APPLICATION MICHAEL H. TRENHOLM	2.50	625.00

TOTAL FOR LEGAL SERVICES RENDERED \$1,125.00

TOTAL LEGAL SERVICES	\$1,125.00

TOTAL CHARGES FOR MATTER	\$1,125.00

OK to pay
M.S. Romano
20 Nov 1998